

PHP code to generate color code

Topics : [PHP Programs](#)

Written on [April 19, 2021](#)

How to show color code using php?

The color code can be displayed using hex or RGB format.

PHP `str_shuffle()` function is used to shuffle all the characters of a string randomly.

We have used string 'ABCDEF0123456789' in `str_shuffle()` function as argument to get 6 digit hex code combination of number and alphabates.

PHP `substr()` function is used to get 6 digit hex code from shuffled string.

Now this 6 digit hexadecimal code is followed by hash (#) which is used to generate color code.

We can use this hex color code to display color , background color in web pages.

We can convert hex color code to rgb code using below php code.

```
list($r, $g, $b) = sscanf($hexcode, "%02x%02x%02x");
```

PHP Code to generate color code :

```
$color = substr(str_shuffle('ABCDEF0123456789'), 0, 6);
```

```
$hex_colorcode = '#' . $color; //Generate color code in 6 digit hex format.
```

```
list($r, $g, $b) = sscanf($hexcode, "%02x%02x%02x");
```

```
$rgb_colorcode = "rgb($r, $g, $b)"; //Generate color code in RGB format.
```

Also you can use below php function to generate hexdecimals color code.

```
<?php
```

```
function hexColorcode() {  
    $str= 'ABCDEF0123456789';  
    $color_code = '#';  
    for ( $i = 0; $i < 6; $i++ ) {  
        $color_code .= $str[rand(0, strlen($str) - 1)];  
    }  
    return $color_code;  
}
```

```
echo hexColorcode();
```

```
?>
```

Let's see below example to understand how to show color code using php program?

Example :

```
<div style="width:95%;">
<h3>PHP program to show list of HTML Color Codes</h3>
<p><h3>Pick Color with HEX and RGB code </h3></p>
<table width="100%" border="0" cellspacing="1" cellpadding="1">
<tr>
<td width="33%"><strong>Color</strong></td>
<td width="30%"><strong>Hex Code</strong></td>
<td width="30%"><strong>RGB Code</strong></td>
</tr>

<?
$colors = array();
while (true) {
$color = substr(str_shuffle('ABCDEF0123456789'), 0, 6);
$colors[$color] = '#' . $color;
if (count($colors) == 100 ) {

foreach($colors as $key=>$hexcode){
list($r, $g, $b) = sscanf($hexcode, "%02x%02x%02x");

?>
<tr>
<td height='25' bgcolor='<?=$hexcode; ?>'></td>
<td><?=$hexcode; ?></td>
<td>rgb(<?=$r?>, <?=$g?>, <?=$b?>)</td>
</tr>
<?
}
break;
}
}

?>





















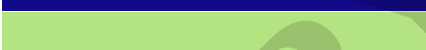














</table>














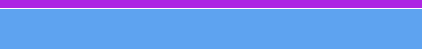

























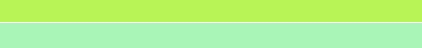
</div>
```







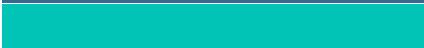









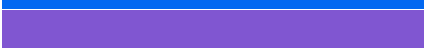








Output :

PHP program to show list of HTML Color Codes

Pick Color with HEX and RGB code

Color	Hex Code	RGB Code
	#140C53	rgb(20, 12, 83)
	#53649C	rgb(83, 100, 156)
	#614E72	rgb(97, 78, 114)
	#F09D1B	rgb(240, 157, 27)
	#DA4C03	rgb(218, 76, 3)
	#FB0A84	rgb(251, 10, 132)
	#12096B	rgb(18, 9, 107)
	#B98A53	rgb(185, 138, 83)
	#A02149	rgb(160, 33, 73)
	#D2795B	rgb(210, 121, 91)
	#975120	rgb(151, 81, 32)
	#BE0246	rgb(190, 2, 70)
	#B263CD	rgb(178, 99, 205)
	#6C30FA	rgb(108, 48, 250)
	#A2097E	rgb(162, 9, 126)
	#1C9ADF	rgb(28, 154, 223)
	#56AFBD	rgb(86, 175, 189)
	#1DA762	rgb(29, 167, 98)
	#9B0564	rgb(155, 5, 100)
	#130A87	rgb(19, 10, 135)
	#B4E382	rgb(180, 227, 130)
	#652807	rgb(101, 40, 7)
	#4C56E8	rgb(76, 86, 232)
	#87C20D	rgb(135, 194, 13)
	#8E064A	rgb(142, 6, 74)
	#DB928A	rgb(219, 146, 138)
	#B0D213	rgb(176, 210, 19)
	#ADB368	rgb(173, 179, 104)
	#510D49	rgb(81, 13, 73)
	#8E25F9	rgb(142, 37, 249)
	#ACDB0F	rgb(172, 219, 15)
	#9D1B7F	rgb(157, 27, 127)
	#526E31	rgb(82, 110, 49)
	#57AC01	rgb(87, 172, 1)
	#4DA1EC	rgb(77, 161, 236)

	#68BA3C	rgb(104, 186, 60)
	#9CB0E7	rgb(156, 176, 231)
	#3EDA09	rgb(62, 218, 9)
	#90D7E2	rgb(144, 215, 226)
	#B23E8D	rgb(178, 62, 141)
	#5C1D06	rgb(92, 29, 6)
	#836051	rgb(131, 96, 81)
	#089F3D	rgb(8, 159, 61)
	#C692A0	rgb(198, 146, 160)
	#58E6FC	rgb(88, 230, 252)
	#35A964	rgb(53, 169, 100)
	#5D6830	rgb(93, 104, 48)
	#AD24E3	rgb(173, 36, 227)
	#5EA3F0	rgb(94, 163, 240)
	#92C40B	rgb(146, 196, 11)
	#853BD6	rgb(133, 59, 214)
	#5CB3A6	rgb(92, 179, 166)
	#1C6FA0	rgb(28, 111, 160)
	#09E583	rgb(9, 229, 131)
	#DE0567	rgb(222, 5, 103)
	#A9C10D	rgb(169, 193, 13)
	#CA18E2	rgb(202, 24, 226)
	#05A12F	rgb(5, 161, 47)
	#67C35E	rgb(103, 195, 94)
	#8F7C0D	rgb(143, 124, 13)
	#7A1C2F	rgb(122, 28, 47)
	#27CF46	rgb(39, 207, 70)
	#E631A7	rgb(230, 49, 167)
	#13D89F	rgb(19, 216, 159)
	#B9E153	rgb(185, 225, 83)
	#EA9057	rgb(234, 144, 87)
	#D294A0	rgb(210, 148, 160)
	#08A52E	rgb(8, 165, 46)
	#49587D	rgb(73, 88, 125)
	#E0BF75	rgb(224, 191, 117)
	#BEA35D	rgb(190, 163, 93)
	#7E2543	rgb(126, 37, 67)
	#9BD453	rgb(155, 212, 83)
	#B8F456	rgb(184, 244, 86)
	#A9F5B7	rgb(169, 245, 183)

	#45C9DA	rgb(69, 201, 218)
	#7A28DE	rgb(122, 40, 222)
	#9E7834	rgb(158, 120, 52)
	#6DAB21	rgb(109, 171, 33)
	#FED9B3	rgb(254, 217, 179)
	#326B94	rgb(50, 107, 148)
	#01C3B6	rgb(1, 195, 182)
	#F63C8D	rgb(246, 60, 141)
	#D4CB7A	rgb(212, 203, 122)
	#C8F735	rgb(200, 247, 53)
	#784FE6	rgb(120, 79, 230)
	#56EF84	rgb(86, 239, 132)
	#C8A2ED	rgb(200, 162, 237)
	#ACB97E	rgb(172, 185, 126)
	#DB973F	rgb(219, 151, 63)
	#0268F1	rgb(2, 104, 241)
	#8056D1	rgb(128, 86, 209)
	#2FA97C	rgb(47, 169, 124)
	#B903C4	rgb(185, 3, 196)
	#A93F01	rgb(169, 63, 1)
	#E7F921	rgb(231, 249, 33)
	#B80E27	rgb(184, 14, 39)
	#50E2F9	rgb(80, 226, 249)
	#19A80D	rgb(25, 168, 13)
	#2DA9C3	rgb(45, 169, 195)

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