

# PHP code to generate color code

Topics : [PHP Programs](#)

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## 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
	#DC478A	rgb(220, 71, 138)
	#68310B	rgb(104, 49, 11)
	#42AE5F	rgb(66, 174, 95)
	#06AC21	rgb(6, 172, 33)
	#352B18	rgb(53, 43, 24)
	#619D42	rgb(97, 157, 66)
	#85C1DE	rgb(133, 193, 222)
	#1AB504	rgb(26, 181, 4)
	#0FD5C1	rgb(15, 213, 193)
	#91B4D2	rgb(145, 180, 210)
	#56270E	rgb(86, 39, 14)
	#BA6C27	rgb(186, 108, 39)
	#80B3C6	rgb(128, 179, 198)
	#B34DAE	rgb(179, 77, 174)
	#618AD3	rgb(97, 138, 211)
	#60EAD3	rgb(96, 234, 211)
	#F2B053	rgb(242, 176, 83)
	#6203BA	rgb(98, 3, 186)
	#F05328	rgb(240, 83, 40)
	#C4E6A3	rgb(196, 230, 163)
	#76B80E	rgb(118, 184, 14)
	#86E03B	rgb(134, 224, 59)
	#2AB680	rgb(42, 182, 128)
	#D12E09	rgb(209, 46, 9)
	#E482BF	rgb(228, 130, 191)
	#A68E10	rgb(166, 142, 16)
	#4CB80E	rgb(76, 184, 14)
	#4560F8	rgb(69, 96, 248)
	#287AC4	rgb(40, 122, 196)
	#85E76A	rgb(133, 231, 106)
	#D64F3A	rgb(214, 79, 58)
	#8D9E67	rgb(141, 158, 103)
	#0FA356	rgb(15, 163, 86)
	#53BFA4	rgb(83, 191, 164)
	#69B071	rgb(105, 176, 113)

	#912574	rgb(145, 37, 116)
	#D2F180	rgb(210, 241, 128)
	#2E014D	rgb(46, 1, 77)
	#A7046C	rgb(167, 4, 108)
	#AF9CD2	rgb(175, 156, 210)
	#6284B3	rgb(98, 132, 179)
	#4EF36B	rgb(78, 243, 107)
	#2F5AD7	rgb(47, 90, 215)
	#F715AD	rgb(247, 21, 173)
	#31EF60	rgb(49, 239, 96)
	#B82E05	rgb(184, 46, 5)
	#524180	rgb(82, 65, 128)
	#52BAE6	rgb(82, 186, 230)
	#A1384B	rgb(161, 56, 75)
	#D9B5A6	rgb(217, 181, 166)
	#38792F	rgb(56, 121, 47)
	#E306FD	rgb(227, 6, 253)
	#679BFE	rgb(103, 155, 254)
	#1658D0	rgb(22, 88, 208)
	#430652	rgb(67, 6, 82)
	#DA307E	rgb(218, 48, 126)
	#FB9042	rgb(251, 144, 66)
	#A5F8BE	rgb(165, 248, 190)
	#5FD08E	rgb(95, 208, 142)
	#40D613	rgb(64, 214, 19)
	#D63B1A	rgb(214, 59, 26)
	#A57623	rgb(165, 118, 35)
	#1EC9F5	rgb(30, 201, 245)
	#D60F9A	rgb(214, 15, 154)
	#FEA064	rgb(254, 160, 100)
	#7EA3C0	rgb(126, 163, 192)
	#FDE6AB	rgb(253, 230, 171)
	#9CA508	rgb(156, 165, 8)
	#D43950	rgb(212, 57, 80)
	#75DB3F	rgb(117, 219, 63)
	#AE514F	rgb(174, 81, 79)
	#AF14C7	rgb(175, 20, 199)
	#820536	rgb(130, 5, 54)
	#9240BD	rgb(146, 64, 189)
	#3D0B6A	rgb(61, 11, 106)

	#7251ED	rgb(114, 81, 237)
	#E657F2	rgb(230, 87, 242)
	#FE5CB1	rgb(254, 92, 177)
	#D2B1CF	rgb(210, 177, 207)
	#B465FD	rgb(180, 101, 253)
	#C2B851	rgb(194, 184, 81)
	#8A6097	rgb(138, 96, 151)
	#30ADB9	rgb(48, 173, 185)
	#E9BC2F	rgb(233, 188, 47)
	#57EF80	rgb(87, 239, 128)
	#CFA567	rgb(207, 165, 103)
	#5DBE49	rgb(93, 190, 73)
	#8BFE96	rgb(139, 254, 150)
	#2F170B	rgb(47, 23, 11)
	#315B48	rgb(49, 91, 72)
	#B2091D	rgb(178, 9, 29)
	#A56BFE	rgb(165, 107, 254)
	#D82F04	rgb(216, 47, 4)
	#069DBA	rgb(6, 157, 186)
	#50A267	rgb(80, 162, 103)
	#BFC017	rgb(191, 192, 23)
	#8F2EA6	rgb(143, 46, 166)
	#0B5A26	rgb(11, 90, 38)
	#E07C1D	rgb(224, 124, 29)
	#841A59	rgb(132, 26, 89)

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