

Converting Colors

XYZ(8.4345, 10.8505, 18.2676)

Have a look what the booklet for
XYZ(8.4345, 10.8505, 18.2676)
contains.

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Color

**XYZ(8.4333, 10.8916,
18.1808)**

Conversions

Conversions Part 1

Format	Color
Hex	216574
RGB	33, 101, 116
RGB Percent	13%, 40%, 45%
CMY	0.8706, 0.6039, 0.5451
CMYK	0.72, 0.13, 0.00, 0.55
HSL	191°, 56%, 29%
HSV	191°, 72%, 45%
XYZ	8.4333, 10.8916, 18.1808
YIQ	82.3780, -45.3430, -9.7510

Conversions

Conversions Part 2

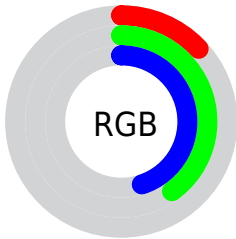
Format	Color
R_{YB}	33, 70, 116
Decimal	2188660
CIE _{Lab}	39.40, -15.77, -14.62
CIE _{LCh}	39, 21.506, 222.828
Yxy	10.8916, 0.2249, 0.2904
Android (android.graphics.Color)	4280378740 (0xFF216574)
YUV	82.3780, 16.5756, -43.3045
Hunter-Lab	33.0024, -12.1411, -9.5607




Details

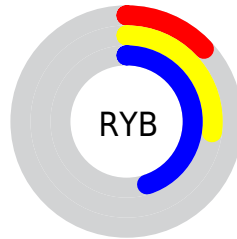
The XYZ color **8.4333, 10.8916, 18.1808** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.5344, 5.9374, 2.1356**, and the grayscale version is **8.0708, 8.4911, 9.2468**.




A 20% lighter version of the original color is **22.5126, 27.4573, 41.1590**, and **2.3626, 3.0557, 5.9341** is the 20% darker color. If you saturate the color by 10%, you get **7.9232, 10.3305, 18.0996**, and if you desaturate by 10%, it is **9.0774, 11.5299, 18.2703**.

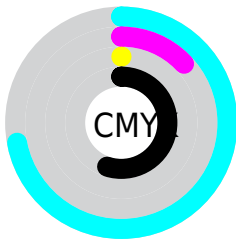
Distribution







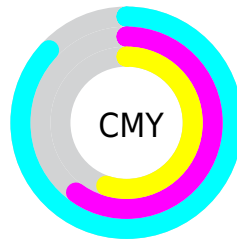
-  Red (13%)
-  Green (40%)
-  Blue (45%)






-  Red (13%)
-  Yellow (27%)
-  Blue (45%)



-  Cyan (72%)
-  Magenta (13%)
-  Yellow (0%)
-  Black (55%)



-  Cyan (87%)
-  Magenta (60%)
-  Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4333, 10.8916, 18.1808 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 8.4333, 10.8916, 18.1808 by changing the saturation by 10% instead.

8.4333, 10.8916,
18.1808

8.4333, 10.8916,
18.1808

173.3903,
196.9223, 254.1584

4.4276, 5.9940,
10.9091

22.4810, 27.4595,
41.1633

1.9467, 2.8414,
5.8923

33.2536, 39.8987,
57.7111

0.6038, 1.0495,
2.7120

47.0126, 55.6204,
78.1880

0.0000, 0.0000,
0.9495

64.1233, 75.0092,
103.0126

0.0000, 0.0000,
0.0000

84.9511, 98.4494,
132.6034

109.8613,

126.3254, 167.3790

139.2193,
159.0216, 207.7578

■ 8.4333, 10.8916,
18.1808

■ 8.4333, 10.8916,
18.1808

■ 7.9232, 10.3305,
18.0996

■ 9.0774, 11.5299,
18.2703

■ 7.5322, 9.8382,
18.0252

■ 9.8663, 12.2505,
18.3678

■ 7.2478, 9.4518,
17.9656

■ 10.8110, 13.0591,
18.4741

■ 11.9209, 13.9608,
18.5896

■ 13.2049, 14.9602,
18.7148

■ 14.6711, 16.0615,
18.8501

■ 16.3271, 17.2687,
18.9959

■ 18.1801, 18.5855,
19.1524

■ 20.2368, 20.0155,
19.3200

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



7.8574, 10.8916, 13.7281



8.4333, 10.8916, 18.1808



9.5481, 10.8916, 21.2771

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



8.4333, 10.8916, 18.1808



13.2611, 10.8916, 14.3848



9.7434, 10.8916, 5.6377

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



8.4333, 10.8916, 18.1808



8.5344, 5.9374, 2.1356

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



11.2001, 10.8916, 5.7340



8.4333, 10.8916, 18.1808



13.3259, 10.8916, 10.1679

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



8.4333, 10.8916, 18.1808



12.3724, 10.8916, 18.7576



12.5420, 10.8916, 7.2045



8.5647, 10.8916, 6.9009

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



8.4333, 10.8916, 18.1808



10.4908, 10.8916, 21.7941



12.5420, 10.8916, 7.2045



10.2147, 10.8916, 5.5227

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



8.4337, 10.8920, 18.1811



23.2150, 26.2996, 32.8973



7.3828, 13.0183, 4.7961



5.4162, 6.1805, 7.8365



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



8.4337, 10.8920, 18.1811



13.4498, 17.5723, 31.7274



5.4311, 4.8870, 17.1802



3.7298, 4.0482, 4.6750



8.1216, 10.5829, 20.1572



39.0076, 50.4318, 98.0387

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.0956, 5.7408, 12.8882



16.7650, 8.5995, 20.8773



10.9946, 10.8577, 2.9557



3.7996, 3.7471, 4.4715



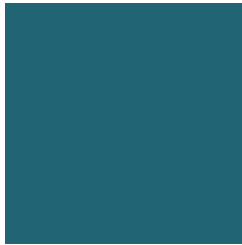
10.3965, 5.0923, 12.5623



50.3760, 24.7005, 59.7025

Previews

White Background



This preview shows how the XYZ color 8.4333, 10.8916, 18.1808 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 8.4333, 10.8916, 18.1808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.4333, 10.8916, 18.1808

Background



This preview shows how black text looks on a background with the XYZ color 8.4333, 10.8916, 18.1808.



This preview shows how white text looks on a background with the XYZ color 8.4333, 10.8916,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

8.4333, 10.8916, 18.1808

Protanopia

10.7614, 10.9039, 16.2893

Deuteranopia

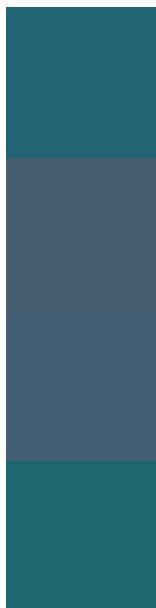
11.0356, 10.8649, 18.6550



Tritanopia

8.0725, 10.8897, 16.4283

Trichromacy



Original Color

8.4333, 10.8916, 18.1808

Protanomaly

9.4711, 10.6195, 16.8798

Deuteranomaly

9.6870, 10.6977, 18.3839

Tritanomaly

8.2114, 10.9486, 17.0097

Monochromacy



Original Color

8.4333, 10.8916, 18.1808

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

7.7071, 9.0429, 11.9289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4333, 10.8916, 18.1808 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(33, 101, 116)` looks like.

```
.text, #text, p{  
    color:rgb(33, 101, 116)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(33, 101, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 101, 116) }
```

Border

The CSS property to change the border of an element to XYZ 8.4333, 10.8916, 18.1808 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(33, 101, 116) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(33, 101, 116) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(33, 101, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 101, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 101, 116);  
box-shadow:4px 4px 4px 4px rgb(33, 101,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 8.4333, 10.8916, 18.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 101, 116) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(33, 101,  
116) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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