

Converting Colors

XYZ(13.3037, 18.3359, 10.8207)

Have a look what the booklet for
XYZ(13.3037, 18.3359, 10.8207)
contains.

XYZ(13.3037, 18.3359, 10.8207)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.3037, 18.3359,
10.8207)**

Conversions

Conversions Part 1

Format	Color
Hex	578152
RGB	87, 129, 82
RGB Percent	34%, 51%, 32%
CMY	0.6588, 0.4941, 0.6784
CMYK	0.33, 0.00, 0.36, 0.49
HSL	114°, 22%, 41%
HSV	114°, 36%, 51%
XYZ	13.3037, 18.3359, 10.8207
YIQ	111.0840, -9.9450, -23.5210

Conversions

Conversions Part 2

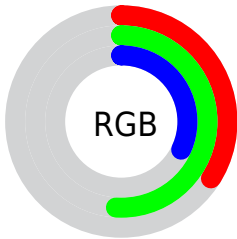
Format	Color
R_{YB}	82, 129, 124
Decimal	5734738
CIE _{Lab}	49.90, -24.45, 20.98
CIE _{LCh}	50, 32.220, 139.364
Yxy	18.3359, 0.3133, 0.4318
Android (android.graphics.Color)	4283924818 (0xFF578152)
YUV	111.0840, -14.3384, -21.1217
Hunter-Lab	42.8204, -19.4784, 14.9918

Details

The XYZ color **13.3037, 18.3359, 10.8207** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.2928, 11.9053, 22.2617**, and the grayscale version is **15.1766, 15.9669, 17.3880**.

A 20% lighter version of the original color is **31.3740, 40.5251, 27.9983**, and **3.9511, 6.1507, 2.6480** is the 20% darker color. If you saturate the color by 10%, you get **11.8666, 17.6471, 8.4275**, and if you desaturate by 10%, it is **15.0059, 19.1518, 13.7089**.

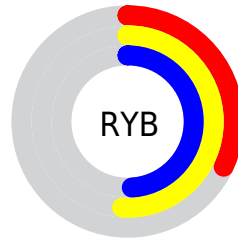
Distribution



Red (34%)

Green (51%)

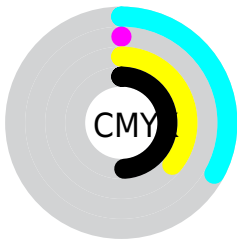
Blue (32%)



Red (32%)

Yellow (51%)

Blue (49%)

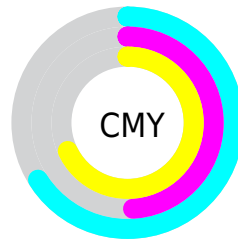


Cyan (33%)

Magenta (0%)

Yellow (36%)

Black (49%)



Cyan (66%)

Magenta (49%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3037, 18.3359, 10.8207 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 13.3037, 18.3359, 10.8207 by changing the saturation by 10% instead.

■ 13.3037, 18.3359,
10.8207

■ 13.3037, 18.3359,
10.8207

206.4535,
242.7576, 207.1264

■ 7.7164, 11.1914,
5.8337

■ 31.4450, 40.6089,
27.9597

■ 3.9643, 6.1957,
2.6771

■ 44.7298, 56.5061,
40.9488

■ 1.6820, 2.9645,
0.9319

■ 61.3111, 76.0898,
57.4424

■ 0.4449, 1.1132,
0.0000

■ 81.5544, 99.7442,
77.8590

■ 0.0000, 0.0000,
0.0000

■ 105.8249,
127.8538, 102.6172

134.4880,

160.8030, 132.1354

167.9091,
198.9761, 166.8323

■ 13.3037, 18.3359,
10.8207

■ 13.3037, 18.3359,
10.8207

■ 11.8666, 17.6471,
8.4275

■ 15.0059, 19.1518,
13.7089

■ 10.6800, 17.0768,
6.5005

■ 16.9843, 20.0984,
17.1164

■ 9.7298, 16.6190,
5.0095

■ 19.2510, 21.1817,
21.0675

■ 9.0001, 16.2661,
3.9206

■ 21.8168, 22.4072,
25.5844

■ 8.4726, 16.0097,
3.1947

■ 24.6922, 23.7795,
30.6882

■ 8.1221, 15.8383,
2.7611

■ 27.8869, 25.3033,
36.3989

■ 8.0274, 15.7923,
2.6251

■ 31.4105, 26.9832,
42.7355

■ 35.2719, 28.8233,
49.7162

■ 39.4799, 30.8278,
57.3586

Harmonies

Analogous

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



15.5345, 18.3359, 7.8458



13.3037, 18.3359, 10.8207



12.2249, 18.3359, 16.9911

Triad

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



13.3037, 18.3359, 10.8207



16.3559, 18.3359, 41.7410



23.6426, 18.3359, 14.8463

Complementary

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



13.3037, 18.3359, 10.8207



15.2928, 11.9053, 22.2617

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.



23.9300, 18.3359, 23.2664



13.3037, 18.3359, 10.8207



19.4689, 18.3359, 40.6568

Square

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



13.3037, 18.3359, 10.8207



13.8438, 18.3359, 35.8255



22.3265, 18.3359, 33.1940



21.5822, 18.3359, 9.6507

Rectangle

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



13.3037, 18.3359, 10.8207



12.2068, 18.3359, 22.8574



22.3265, 18.3359, 33.1940



23.9583, 18.3359, 17.3269

Sweetspot

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



13.3042, 18.3367, 10.8211



32.4492, 36.9632, 34.1887



17.7243, 19.5716, 10.8265



7.2445, 8.3185, 7.5638



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.3042, 18.3367, 10.8211



21.5831, 31.7608, 15.6410



13.6316, 18.4156, 14.8974



4.3152, 4.8390, 4.6267



7.8285, 15.3981, 2.5595



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.2928, 11.9053, 22.2617



25.7029, 18.4053, 39.3904



14.9395, 11.8495, 16.5346



4.4546, 4.3899, 5.4258



10.7951, 5.1188, 20.6690



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3037, 18.3359, 10.8207 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 13.3037, 18.3359, 10.8207 looks on a black 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

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

XYZ 13.3037, 18.3359, 10.8207

Background



This preview shows how black text looks on a background with the XYZ color 13.3037, 18.3359, 10.8207.



This preview shows how white text looks on a background with the XYZ color 13.3037, 18.3359,

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

13.3037, 18.3359, 10.8207

Protanopia

16.7557, 18.0961, 9.8175

Deuteranopia

18.4001, 18.0576, 11.3198



Tritanopia

16.1405, 18.3462, 24.8808

Trichromacy



Original Color

13.3037, 18.3359, 10.8207

Protanomaly

15.1809, 17.9943, 10.0703

Deuteranomaly

16.1217, 17.9145, 11.2025

Tritanomaly

14.8851, 18.2093, 18.6498

Monochromacy



Original Color

13.3037, 18.3359, 10.8207

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2582, 16.7017, 14.5289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3037, 18.3359, 10.8207 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(87, 129, 82)` looks like.

```
.text, #text, p{  
    color:rgb(87, 129, 82)  
}
```

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(87, 129, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 129, 82) }
```

Border

The CSS property to change the border of an element to XYZ 13.3037, 18.3359, 10.8207 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(87, 129, 82) }
```


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

```
.border{ border-color:rgb(87, 129, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 129, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 129, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 129, 82);  
box-shadow:4px 4px 4px 4px rgb(87, 129,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3037, 18.3359, 10.8207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 129, 82) }
```

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

```
.background{ background-color: rgb(87, 129,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor