

Converting Colors

XYZ(37.2583, 48.0978, 50.9387)

Have a look what the booklet for
XYZ(37.2583, 48.0978, 50.9387)
contains.

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Color

**XYZ(37.4367, 48.3136,
51.0684)**

Conversions

Conversions Part 1

Format	Color
Hex	80C6B5
RGB	128, 198, 181
RGB Percent	50%, 78%, 71%
CMY	0.4980, 0.2235, 0.2902
CMYK	0.35, 0.00, 0.09, 0.22
HSL	165°, 38%, 64%
HSV	165°, 35%, 78%
XYZ	37.4367, 48.3136, 51.0684
YIQ	175.1320, -36.2630, -20.1270

Conversions

Conversions Part 2

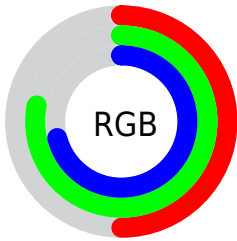
Format	Color
RYB	128, 168, 198
Decimal	8439477
CIELab	75.02, -25.82, 1.54
CIElCh	75, 25.870, 176.580
Yxy	48.3136, 0.2736, 0.3531
Android (android.graphics.Color)	4286629557 (0xFF80C6B5)
YUV	175.1320, 2.8929, -41.3348
Hunter-Lab	69.5080, -25.4996, 5.0945

Details

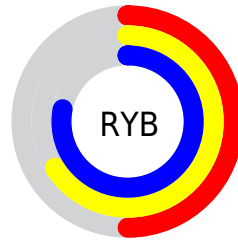
The XYZ color **37.4367, 48.3136, 51.0684** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.1204, 29.4898, 30.5784**, and the grayscale version is **40.8160, 42.9416, 46.7634**.

A 20% lighter version of the original color is **70.5745, 87.7017, 93.3292**, and **16.7712, 23.0009, 23.9778** is the 20% darker color. If you saturate the color by 10%, you get **34.2594, 46.7329, 48.3888**, and if you desaturate by 10%, it is **41.2149, 50.2046, 53.8671**.

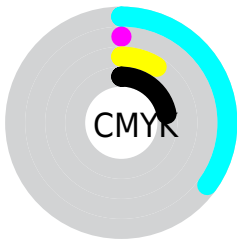
Distribution



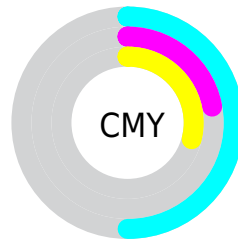
- Red (50%)
- Green (78%)
- Blue (71%)



- Red (50%)
- Yellow (66%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)





- Cyan (50%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4367, 48.3136, 51.0684 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 37.4367, 48.3136, 51.0684 by changing the saturation by 10% instead.


 37.4367, 48.3136,
51.0684


 37.4367, 48.3136,
51.0684


326.5201,
380.0338, 407.6836


 25.7210, 34.0753,
35.8859

 70.5534, 87.6711,
93.1684

 16.7466, 22.9515,
24.0571


 92.6851, 113.5592,
120.9230

 10.1482, 14.5577,
15.1634


 119.0196,
144.0992, 153.7055

 5.5603, 8.5095,
8.7863

149.9221,
179.6757, 191.9343

 2.6177, 4.4227,
4.5071

185.7581,
220.6730, 236.0279

 0.9550, 1.9127,
1.9075

226.8928,

 0.0000, 0.5560,

267.4755, 286.4050

0.4975

273.6917,
320.4677, 343.4841

■ 0.0000, 0.0000,
0.0000

■ 37.4367, 48.3136,
51.0684

■ 37.4367, 48.3136,
51.0684

■ 34.2594, 46.7329,
48.3888

■ 41.2149, 50.2046,
53.8671

■ 31.6449, 45.4392,
45.8226

■ 45.6213, 52.4161,
56.7840

■ 29.5567, 44.4149,
43.3681

■ 50.6863, 54.9653,
59.8225

■ 27.9527, 43.6382,
41.0226

■ 56.4374, 57.8660,
62.9845

■ 26.7837, 43.0839,
38.7827

■ 62.9001, 61.1316,
66.2722

■ 25.9896, 42.7211,
36.6447

■ 70.0990, 64.7746,
69.6875

■ 25.6928, 42.5891,
35.6832

■ 73.6578, 66.5390,
73.0264

■ 74.2838, 66.7894,
76.3229

■ 74.9281, 67.0472,
79.7158

Harmonies

Analogous

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



38.7484, 48.3136, 39.5381



37.4367, 48.3136, 51.0684



38.2665, 48.3136, 65.1254

Triad

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



37.4367, 48.3136, 51.0684



50.1062, 48.3136, 79.4698



51.1077, 48.3136, 33.7420

Complementary

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



37.4367, 48.3136, 51.0684



36.1204, 29.4898, 30.5784

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.



54.5329, 48.3136, 41.8024



37.4367, 48.3136, 51.0684



53.9274, 48.3136, 68.2744

Square

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



37.4367, 48.3136, 51.0684



45.3808, 48.3136, 83.0822



55.5982, 48.3136, 54.1727



46.4647, 48.3136, 30.6751

Rectangle

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



37.4367, 48.3136, 51.0684



39.9556, 48.3136, 73.8539



55.5982, 48.3136, 54.1727



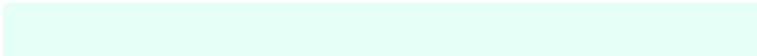
52.4516, 48.3136, 35.8816

Sweetspot

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



37.4381, 48.3156, 51.0695



84.3951, 94.6317, 102.7768



35.8573, 48.0140, 27.8007



17.8051, 20.1248, 21.8409



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.4381, 48.3156, 51.0695



62.0957, 83.4630, 86.9564



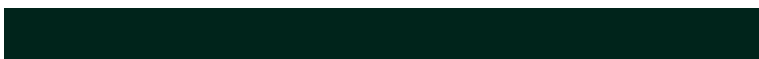
35.5190, 41.5130, 59.5691



10.8323, 12.0218, 13.0672



16.7431, 27.7096, 23.3896



0.8200, 1.3229, 1.2508

Inverse Universe

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



36.1204, 29.4898, 30.5784



59.4457, 45.4611, 45.6417



37.3886, 33.9697, 25.0092



10.7377, 10.6785, 11.6022



15.5221, 7.9584, 2.6935



0.7646, 0.3887, 0.2837

Previews

White Background



This preview shows how the XYZ color 37.4367, 48.3136, 51.0684 looks on a white background.

Color Contrast Check

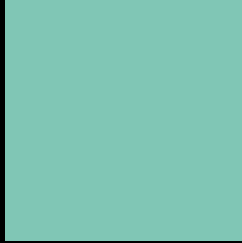
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.4367, 48.3136, 51.0684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

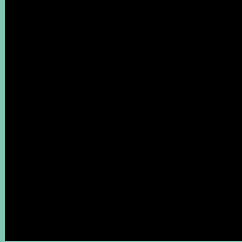
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4367, 48.3136, 51.0684

Background



This preview shows how black text looks on a background with the XYZ color 37.4367, 48.3136, 51.0684.



This preview shows how white text looks on a background with the XYZ color 37.4367, 48.3136,

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

37.4367, 48.3136, 51.0684

Protanopia

45.7115, 47.8313, 46.3583

Deuteranopia

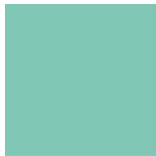
48.7647, 47.7611, 52.5476



Tritanopia

40.7921, 48.3379, 67.5018

Trichromacy



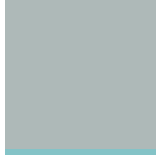
Original Color

37.4367, 48.3136, 51.0684



Protanomaly

41.7560, 47.3165, 48.0065



Deuteranomaly

43.4562, 47.1573, 52.1593



Tritanomaly

39.3396, 48.0593, 61.2358

Monochromacy



Original Color

37.4367, 48.3136, 51.0684



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.9698, 44.3104, 48.0938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4367, 48.3136, 51.0684 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(128, 198, 181)` looks like.

```
.text, #text, p{  
    color:rgb(128, 198, 181)  
}
```

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(128, 198, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 198, 181) }
```

Border

The CSS property to change the border of an element to XYZ 37.4367, 48.3136, 51.0684 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(128, 198, 181) }
```


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

```
.border{ border-color:rgb(128, 198, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 198, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 198, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 198, 181);  
box-shadow:4px 4px 4px 4px rgb(128, 198,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4367, 48.3136, 51.0684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 198, 181) }
```

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

```
.background{ background-color: rgb(128,  
198, 181) }
```

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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