

Converting Colors

XYZ(48.7870, 57.4676, 37.5704)

Have a look what the booklet for
XYZ(48.7870, 57.4676, 37.5704)
contains.

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Color

**XYZ(48.8041, 57.6465,
37.4088)**

Conversions

Conversions Part 1

Format	Color
Hex	BDCF96
RGB	189, 207, 150
RGB Percent	74%, 81%, 59%
CMY	0.2588, 0.1882, 0.4118
CMYK	0.09, 0.00, 0.28, 0.19
HSL	79°, 37%, 70%
HSV	79°, 28%, 81%
XYZ	48.8041, 57.6465, 37.4088
YIQ	195.1200, 7.5690, -21.5430

Conversions

Conversions Part 2

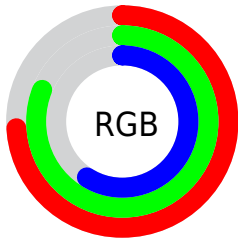
Format	Color
RYB	150, 207, 168
Decimal	12439446
CIELab	80.54, -15.75, 26.37
CIELCh	81, 30.717, 120.837
Yxy	57.6465, 0.3392, 0.4007
Android (android.graphics.Color)	4290629526 (0xFFBDCF96)
YUV	195.1200, -22.2442, -5.3672
Hunter-Lab	75.9253, -18.1311, 23.9352

Details

The XYZ color **48.8041, 57.6465, 37.4088** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.3196, 34.6441, 63.7021**, and the grayscale version is **52.0698, 54.7815, 59.6571**.

A 20% lighter version of the original color is **84.6651, 95.4725, 71.0924**, and **23.6350, 28.8342, 16.1242** is the 20% darker color. If you saturate the color by 10%, you get **45.6973, 56.2225, 29.3176**, and if you desaturate by 10%, it is **52.2815, 59.2310, 47.0568**.

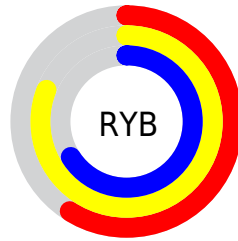
Distribution



Red (74%)

Green (81%)

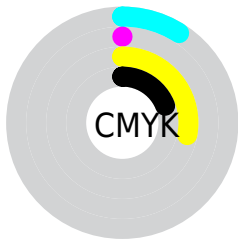
Blue (59%)



Red (59%)

Yellow (81%)

Blue (66%)

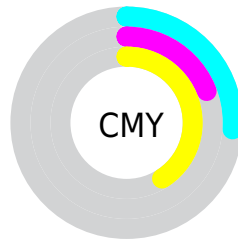


Cyan (9%)

Magenta (0%)

Yellow (28%)

Black (19%)



Cyan (26%)

Magenta (19%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8041, 57.6465, 37.4088 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 48.8041, 57.6465, 37.4088 by changing the saturation by 10% instead.

■ 48.8041, 57.6465,
37.4088

■ 48.8041, 57.6465,
37.4088

372.5004,
415.8674, 350.2989

■ 34.6780, 41.5245,
25.2259

■ 87.6029, 101.4079,
72.3944

■ 23.5803, 28.7292,
16.0249

■ 113.0063,
129.8161, 96.0342

■ 15.1456, 18.8760,
9.3872

142.8995,
163.0885, 124.3300

■ 9.0086, 11.5807,
4.8944

177.6479,
201.6095, 157.7005

■ 4.8040, 6.4589,
2.1278

217.6169,
245.7635, 196.5640

■ 2.1663, 3.1261,
0.6322

263.1717,

■ 0.7249, 1.1979,

295.9349, 241.3393

0.0000

314.6777,
352.5081, 292.4447

■ 0.0000, 0.0600,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.8041, 57.6465,
37.4088

■ 48.8041, 57.6465,
37.4088

■ 45.6973, 56.2225,
29.3176

■ 52.2815, 59.2310,
47.0568

■ 42.9402, 54.9449,
22.6979


■ 56.1404, 60.9748,
58.3334


■ 40.5163, 53.8087,
17.4616


■ 60.3966, 62.8861,
71.3108

■ 38.4061, 52.8061,
13.5101


■ 65.0636, 64.9705,
86.0554

 36.5872, 51.9281,
10.7315


 70.1542, 67.2332,
102.6302

 35.0337, 51.1640,
8.9947


 72.4321, 68.3798,
103.9888

 33.7099, 50.4996,
8.1171

 74.5487, 69.4710,
104.0878

 33.4045, 50.3455,
7.9570

 76.7447, 70.6030,
104.1906

 79.0207, 71.7764,
104.2971

Harmonies

Analogous

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



54.6142, 57.6465, 34.0389



48.8041, 57.6465, 37.4088



44.8643, 57.6465, 47.3114

Triad

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



48.8041, 57.6465, 37.4088



49.0889, 57.6465, 98.2637



67.8407, 57.6465, 62.2609

Complementary

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



48.8041, 57.6465, 37.4088



38.3196, 34.6441, 63.7021

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.



66.0842, 57.6465, 81.2684



48.8041, 57.6465, 37.4088



54.9687, 57.6465, 104.3178

Square

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



48.8041, 57.6465, 37.4088



45.0196, 57.6465, 82.3176



61.2491, 57.6465, 97.5808



65.8835, 57.6465, 46.5868

Rectangle

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



48.8041, 57.6465, 37.4088



43.6645, 57.6465, 57.3949



61.2491, 57.6465, 97.5808



67.6639, 57.6465, 68.4648

Sweetspot

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



48.8056, 57.6490, 37.4100



89.6067, 97.5534, 92.4015



45.0763, 43.1433, 34.8067



18.9704, 20.7862, 19.1566



0.0000, 0.0000, 0.0000



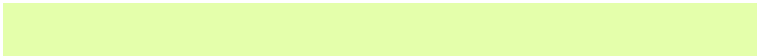
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8056, 57.6490, 37.4100



75.2250, 91.0174, 52.0565



42.5984, 54.4491, 37.1195



12.4251, 13.6026, 12.5827



21.1469, 31.7706, 5.0178



1.2626, 1.8177, 0.2843

Inverse Universe

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



38.3196, 34.6441, 63.7021



55.7231, 48.2175, 100.9777



44.8320, 38.0013, 64.0068



11.5101, 11.5963, 14.8753



8.5724, 3.5995, 37.4355



0.5611, 0.2434, 2.0970

Previews

White Background



This preview shows how the XYZ color 48.8041, 57.6465, 37.4088 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 48.8041, 57.6465, 37.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

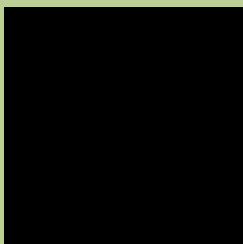
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

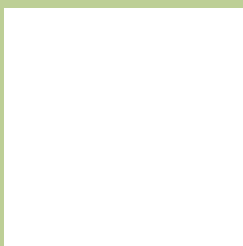
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8041, 57.6465, 37.4088

Background



This preview shows how black text looks on a background with the XYZ color 48.8041, 57.6465, 37.4088.



This preview shows how white text looks on a background with the XYZ color 48.8041, 57.6465,

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

48.8041, 57.6465, 37.4088

Protanopia

53.4214, 57.2496, 35.8384

Deuteranopia

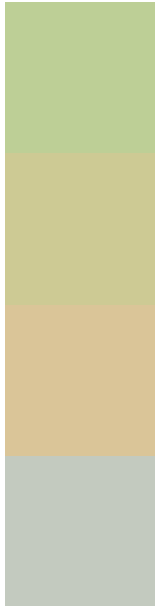
58.3123, 57.0539, 38.0761



Tritanopia

55.8497, 57.7077, 71.8134

Trichromacy



Original Color

48.8041, 57.6465, 37.4088

Protanomaly

51.6427, 57.3583, 36.3664

Deuteranomaly

54.5472, 57.1049, 37.8532

Tritanomaly

53.0302, 57.6047, 57.6141

Monochromacy



Original Color

48.8041, 57.6465, 37.4088

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.5524, 55.4390, 50.6842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8041, 57.6465, 37.4088 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(189, 207, 150)` looks like.

```
.text, #text, p{  
    color:rgb(189, 207, 150)  
}
```

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(189, 207, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 207, 150) }
```

Border

The CSS property to change the border of an element to XYZ 48.8041, 57.6465, 37.4088 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(189, 207, 150) }
```


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

```
.border{ border-color:rgb(189, 207, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 207, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 207, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 207, 150);  
box-shadow:4px 4px 4px 4px rgb(189, 207,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8041, 57.6465, 37.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 207, 150) }
```

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

```
.background{ background-color: rgb(189,  
207, 150) }
```

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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