

Converting Colors

XYZ(48.8673, 57.1959, 41.0162)

Have a look what the booklet for
XYZ(48.8673, 57.1959, 41.0162)
contains.

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Color

**XYZ(48.7364, 57.1760,
40.8151)**

Conversions

Conversions Part 1

Format	Color
Hex	BBCE9E
RGB	187, 206, 158
RGB Percent	73%, 81%, 62%
CMY	0.2667, 0.1921, 0.3804
CMYK	0.09, 0.00, 0.23, 0.19
HSL	84°, 33%, 71%
HSV	84°, 23%, 81%
XYZ	48.7364, 57.1760, 40.8151
YIQ	194.8470, 4.0840, -18.9560

Conversions

Conversions Part 2

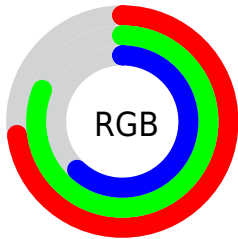
Format	Color
RYB	158, 206, 177
Decimal	12308126
CIELab	80.28, -14.80, 21.79
CIELCh	80, 26.339, 124.175
Yxy	57.1760, 0.3322, 0.3897
Android (android.graphics.Color)	4290498206 (0xFFBBCE9E)
YUV	194.8470, -18.1656, -6.8818
Hunter-Lab	75.6148, -17.2764, 20.9270

Details

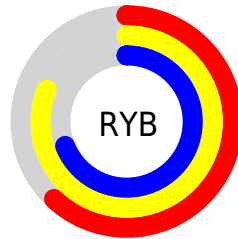
The XYZ color **48.7364, 57.1760, 40.8151** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.5011, 38.2586, 63.5929**, and the grayscale version is **51.8850, 54.5870, 59.4453**.

A 20% lighter version of the original color is **84.7324, 95.3788, 76.8949**, and **23.5026, 28.4836, 17.8948** is the 20% darker color. If you saturate the color by 10%, you get **45.1713, 55.5279, 32.1553**, and if you desaturate by 10%, it is **52.7151, 59.0065, 51.0482**.

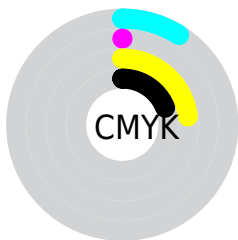
Distribution



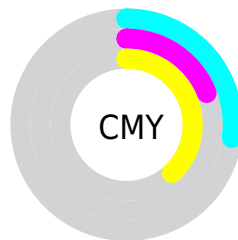
- Red (73%)
- Green (81%)
- Blue (62%)



- Red (62%)
- Yellow (81%)
- Blue (69%)



- Cyan (9%)
- Magenta (0%)
- Yellow (23%)
- Black (19%)



- Cyan (27%)
- Magenta (19%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7364, 57.1760, 40.8151 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 48.7364, 57.1760, 40.8151 by changing the saturation by 10% instead.

■ 48.7364, 57.1760,
40.8151

■ 48.7364, 57.1760,
40.8151

372.2379,
414.1085, 365.2010

■ 34.6241, 41.1466,
27.8560

■ 87.5029, 100.7219,
77.6537

■ 23.5386, 28.4336,
17.9791

■ 112.8878,
129.0072, 102.3704

■ 15.1146, 18.6528,
10.7657

142.7610,
162.1466, 131.8433

■ 8.9867, 11.4197,
5.7973

177.4877,
200.5245, 166.4911

■ 4.7895, 6.3498,
2.6554

217.4334,
244.5252, 206.7322

■ 2.1578, 3.0590,
0.9209

262.9635,

■ 0.7204, 1.1626,

294.5332, 252.9851

0.0000

314.4431,
350.9328, 305.6686

■ 0.0000, 0.0308,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.7364, 57.1760,
40.8151

■ 48.7364, 57.1760,
40.8151

■ 45.1713, 55.5279,
32.1553

■ 52.7151, 59.0065,
51.0482

■ 41.9987, 54.0477,
24.9870


■ 57.1185, 61.0182,
62.9235


■ 39.2021, 52.7306,
19.2266


■ 61.9627, 63.2198,
76.5104


■ 36.7617, 51.5684,
14.7809


■ 67.2619, 65.6171,
91.8731


 34.6558, 50.5522,
11.5454


 72.0471, 67.8227,
103.9015


 32.8594, 49.6718,
9.3995


 74.6926, 69.1865,
104.0253

 31.3428, 48.9150,
8.1979

 77.4617, 70.6140,
104.1549

 30.4498, 48.4636,
7.7495

 80.3561, 72.1061,
104.2904

 81.3625, 72.6249,
104.3375

Harmonies

Analogous

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



53.5942, 57.1760, 37.1295



48.7364, 57.1760, 40.8151



45.5519, 57.1760, 50.2171

Triad

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



48.7364, 57.1760, 40.8151



49.9599, 57.1760, 92.9212



65.3312, 57.1760, 60.1224

Complementary

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



48.7364, 57.1760, 40.8151



41.5011, 38.2586, 63.5929

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.



64.2005, 57.1760, 76.0775



48.7364, 57.1760, 40.8151



55.1009, 57.1760, 96.7350

Square

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



48.7364, 57.1760, 40.8151



46.2249, 57.1760, 80.4291



60.3662, 57.1760, 90.1319



63.3623, 57.1760, 47.0482

Rectangle

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



48.7364, 57.1760, 40.8151



44.6863, 57.1760, 59.2954



60.3662, 57.1760, 90.1319



65.3019, 57.1760, 65.3113

Sweetspot

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



48.7379, 57.1785, 40.8163



89.7558, 97.5875, 94.3413



47.2311, 46.8001, 38.8925



19.1173, 20.8447, 19.9381



0.0000, 0.0000, 0.0000



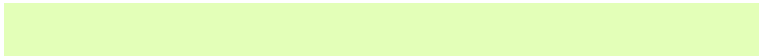
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7379, 57.1785, 40.8163



75.9644, 91.2515, 58.7374



43.4720, 54.4638, 40.5699



11.7073, 12.8665, 11.9459



18.8609, 29.8984, 4.7769



1.0569, 1.5857, 0.2504

Inverse Universe

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



41.5011, 38.2586, 63.5929



62.2204, 55.3122, 102.0047



47.2959, 41.2459, 63.8640



11.0150, 11.0570, 14.1240



9.0812, 3.8891, 36.2283



0.5532, 0.2443, 1.8729

Previews

White Background



This preview shows how the XYZ color 48.7364, 57.1760, 40.8151 looks on a white background.

Color Contrast Check

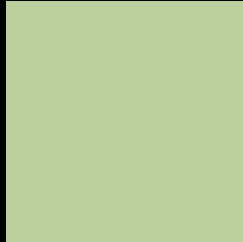
Large Text (above 18pt) WCAG AA × Fail

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 48.7364, 57.1760, 40.8151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

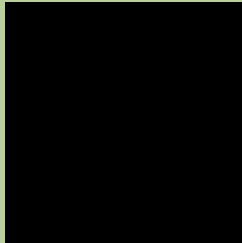
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

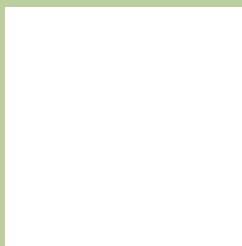
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7364, 57.1760, 40.8151

Background



This preview shows how black text looks on a background with the XYZ color 48.7364, 57.1760, 40.8151.



This preview shows how white text looks on a background with the XYZ color 48.7364, 57.1760,

40.8151.

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

48.7364, 57.1760, 40.8151

Protanopia

53.4912, 57.2105, 39.2338

Deuteranopia

58.0188, 56.8237, 41.6284



Tritanopia

54.8374, 56.8453, 71.7003

Trichromacy



Original Color

48.7364, 57.1760, 40.8151

Protanomaly

51.7499, 57.3379, 39.7923

Deuteranomaly

54.1094, 56.4650, 41.3047

Tritanomaly

52.3625, 56.8748, 59.2571

Monochromacy



Original Color

48.7364, 57.1760, 40.8151

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.6051, 55.4307, 52.2880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7364, 57.1760, 40.8151 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(187, 206, 158)` looks like.

```
.text, #text, p{  
    color:rgb(187, 206, 158)  
}
```

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(187, 206, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 206, 158) }
```

Border

The CSS property to change the border of an element to XYZ 48.7364, 57.1760, 40.8151 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(187, 206, 158) }
```


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

```
.border{ border-color:rgb(187, 206, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 206, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 206, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 206, 158);  
box-shadow:4px 4px 4px 4px rgb(187, 206,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7364, 57.1760, 40.8151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 206, 158) }
```

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

```
.background{ background-color: rgb(187,  
206, 158) }
```

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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