

Converting Colors

XYZ(49.8288, 57.5652, 50.3859)

Have a look what the booklet for
XYZ(49.8288, 57.5652, 50.3859)
contains.

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Color

**XYZ(49.8744, 57.5473,
50.5986)**

Conversions

Conversions Part 1

Format	Color
Hex	B8CEB2
RGB	184, 206, 178
RGB Percent	72%, 81%, 70%
CMY	0.2784, 0.1921, 0.3020
CMYK	0.11, 0.00, 0.14, 0.19
HSL	107°, 22%, 75%
HSV	107°, 14%, 81%
XYZ	49.8744, 57.5473, 50.5986
YIQ	196.2300, -4.1240, -13.3720

Conversions

Conversions Part 2

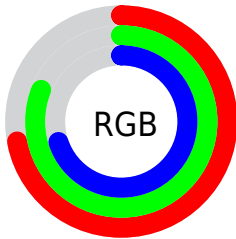
Format	Color
RYB	178, 206, 200
Decimal	12111538
CIELab	80.49, -12.60, 11.44
CIElCh	80, 17.021, 137.758
Yxy	57.5473, 0.3156, 0.3642
Android (android.graphics.Color)	4290301618 (0xFFB8CEB2)
YUV	196.2300, -8.9874, -10.7257
Hunter-Lab	75.8599, -15.3994, 13.5555

Details

The XYZ color **49.8744, 57.5473, 50.5986** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.8826, 48.5780, 65.0901**, and the grayscale version is **52.6627, 55.4053, 60.3364**.

A 20% lighter version of the original color is **86.5465, 95.9858, 91.8075**, and **24.2900, 28.7624, 23.6735** is the 20% darker color. If you saturate the color by 10%, you get **44.3015, 54.8974, 40.3395**, and if you desaturate by 10%, it is **56.2048, 60.5552, 62.5170**.

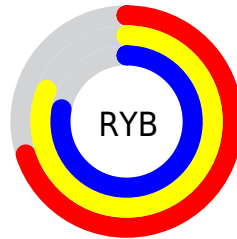
Distribution



Red (72%)

Green (81%)

Blue (70%)



Red (70%)

Yellow (81%)

Blue (78%)

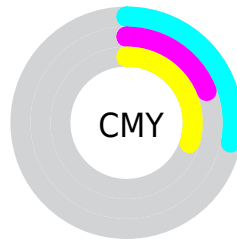


Cyan (11%)

Magenta (0%)

Yellow (14%)

Black (19%)



Cyan (28%)

Magenta (19%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8744, 57.5473, 50.5986 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 49.8744, 57.5473, 50.5986 by changing the saturation by 10% instead.

■ 49.8744, 57.5473,
50.5986

■ 49.8744, 57.5473,
50.5986

376.6347,
415.4970, 405.8042

■ 35.5310, 41.4448,
35.5148

■ 89.1817, 101.2633,
92.4666

■ 24.2406, 28.6668,
23.7729

114.8763,
129.6457, 120.0878

■ 15.6379, 18.8289,
14.9546

145.0853,
162.8901, 152.7252

■ 9.3575, 11.5467,
8.6413

180.1742,
201.3809, 190.7973

■ 5.0341, 6.4358,
4.4144

220.5082,
245.5027, 234.7228

■ 2.3022, 3.1119,
1.8553

266.4527,

■ 0.7958, 1.1904,

295.6396, 284.9200

0.4641

318.3731,
352.1763, 341.8077

■ 0.0000, 0.0539,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.8744, 57.5473,
50.5986

■ 49.8744, 57.5473,
50.5986

■ 44.3015, 54.8974,
40.3395

■ 56.2048, 60.5552,
62.5170

■ 39.4528, 52.5848,
31.6626

■ 63.3151, 63.9261,
76.1597

■ 35.2993, 50.5980,
24.4901

■ 71.2327, 67.6744,
91.5929

■ 31.8080, 48.9220,
18.7364

■ 79.0998, 71.4584,
104.2316

■ 28.9436, 47.5404,
14.3072

■ 81.3624, 72.6248,
104.3375

■ 26.6670, 46.4354,
11.0968

■ 24.9344, 45.5872,
8.9832

■ 23.6950, 44.9728,
7.8193

■ 23.1170, 44.6833,
7.4064

Harmonies

Analogous

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



52.6741, 57.5473, 46.0694



49.8744, 57.5473, 50.5986



48.3930, 57.5473, 58.6690

Triad

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



49.8744, 57.5473, 50.5986



53.2854, 57.5473, 83.3970



61.3451, 57.5473, 56.9742

Complementary

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



49.8744, 57.5473, 50.5986



50.8826, 48.5780, 65.0901

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.



61.5259, 57.5473, 66.8264



49.8744, 57.5473, 50.5986



56.7710, 57.5473, 82.8186

Square

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



49.8744, 57.5473, 50.5986



50.3054, 57.5473, 78.0035



59.8208, 57.5473, 76.4985



59.3370, 57.5473, 49.4719

Rectangle

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



49.8744, 57.5473, 50.5986



48.3090, 57.5473, 65.2917



59.8208, 57.5473, 76.4985



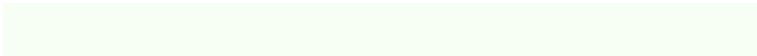
61.6246, 57.5473, 60.0985

Sweetspot

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



49.8760, 57.5498, 50.5999



90.5635, 97.8719, 100.3442



54.1307, 57.6164, 50.3885



19.2087, 20.8653, 21.1444



0.0000, 0.0000, 0.0000



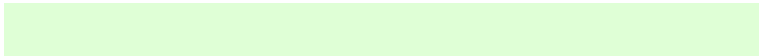
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8760, 57.5498, 50.5999



78.3365, 92.0639, 77.3937



49.2890, 57.1525, 54.8524



11.2890, 12.6509, 11.9263



14.3015, 27.5480, 4.5635



0.8037, 1.4552, 0.2385

Inverse Universe

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



50.8826, 48.5780, 65.0901



80.2440, 75.0541, 104.8653



51.5768, 49.0444, 60.2168



11.4432, 11.2778, 14.1441



16.1025, 7.5087, 36.5569



0.8909, 0.4184, 1.8887

Previews

White Background



This preview shows how the XYZ color 49.8744, 57.5473, 50.5986 looks on a white background.

Color Contrast Check

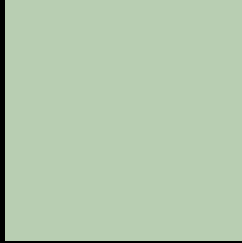
Large Text (above 18pt) WCAG AA × Fail

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 49.8744, 57.5473, 50.5986 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

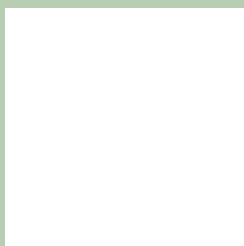
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8744, 57.5473, 50.5986

Background



This preview shows how black text looks on a background with the XYZ color 49.8744, 57.5473, 50.5986.



This preview shows how white text looks on a background with the XYZ color 49.8744, 57.5473,

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

49.8744, 57.5473, 50.5986

Protanopia

54.3579, 57.4581, 48.2700

Deuteranopia

58.2415, 57.0430, 51.6568



Tritanopia

54.5165, 57.6783, 73.2254

Trichromacy



Original Color

49.8744, 57.5473, 50.5986

Protanomaly

52.6778, 57.6156, 48.9019

Deuteranomaly

54.7828, 56.9294, 51.2811

Tritanomaly

52.7556, 57.6675, 64.2275

Monochromacy



Original Color

49.8744, 57.5473, 50.5986

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.5778, 56.1891, 56.2713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8744, 57.5473, 50.5986 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(184, 206, 178)` looks like.

```
.text, #text, p{  
    color:rgb(184, 206, 178)  
}
```

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(184, 206, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 206, 178) }
```

Border

The CSS property to change the border of an element to XYZ 49.8744, 57.5473, 50.5986 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(184, 206, 178) }
```


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

```
.border{ border-color:rgb(184, 206, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 206, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 206, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 206, 178);  
box-shadow:4px 4px 4px 4px rgb(184, 206,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8744, 57.5473, 50.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 206, 178) }
```

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

```
.background{ background-color: rgb(184,  
206, 178) }
```

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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