

Converting Colors

XYZ(48.0167, 52.3940, 49.8578)

Have a look what the booklet for
XYZ(48.0167, 52.3940, 49.8578)
contains.

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Color

**XYZ(48.0667, 52.4893,
49.7175)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC2B2
RGB	188, 194, 178
RGB Percent	74%, 76%, 70%
CMY	0.2627, 0.2392, 0.3020
CMYK	0.03, 0.00, 0.08, 0.24
HSL	83°, 12%, 73%
HSV	83°, 8%, 76%
XYZ	48.0667, 52.4893, 49.7175
YIQ	190.3820, 1.5600, -6.2480

Conversions

Conversions Part 2

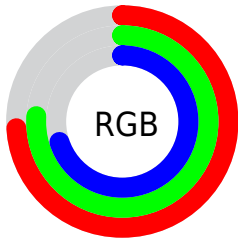
Format	Color
RYB	178, 194, 184
Decimal	12370610
CIELab	77.57, -4.97, 7.32
CIELCh	78, 8.852, 124.182
Yxy	52.4893, 0.3199, 0.3493
Android (android.graphics.Color)	4290560690 (0xFFBCC2B2)
YUV	190.3820, -6.1043, -2.0890
Hunter-Lab	72.4495, -8.3606, 10.0277

Details

The XYZ color **48.0667, 52.4893, 49.7175** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.4272, 45.9276, 57.5123**, and the grayscale version is **49.1985, 51.7606, 56.3673**.

A 20% lighter version of the original color is **86.3451, 93.5448, 91.3470**, and **23.0714, 25.3877, 23.0864** is the 20% darker color. If you saturate the color by 10%, you get **44.5074, 50.8653, 40.0918**, and if you desaturate by 10%, it is **51.9949, 54.2747, 60.8007**.

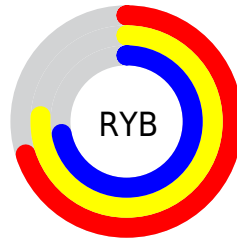
Distribution



Red (74%)

Green (76%)

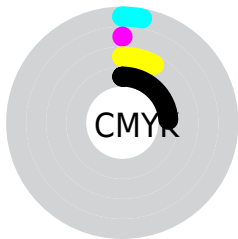
Blue (70%)



Red (70%)

Yellow (76%)

Blue (72%)

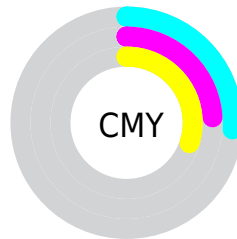


Cyan (3%)

Magenta (0%)

Yellow (8%)

Black (24%)



Cyan (26%)

Magenta (24%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0667, 52.4893, 49.7175 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 48.0667, 52.4893, 49.7175 by changing the saturation by 10% instead.

■ 48.0667, 52.4893,
49.7175

■ 48.0667, 52.4893,
49.7175

369.6346,
396.3227, 402.2635

■ 34.0912, 37.3952,
34.8194

■ 86.5128, 93.8525,
91.1482

■ 23.1269, 25.5137,
23.2413

111.7141,
120.8903, 118.5178

■ 14.8084, 16.4602,
14.5648

141.3880,
152.6783, 150.8816

■ 8.7705, 9.8504,
8.3713

175.8999,
189.6007, 188.6583

■ 4.6477, 5.2998,
4.2423

215.6152,
232.0419, 232.2663

■ 2.0747, 2.4242,
1.7592

260.8992,

■ 0.6754, 0.8383,

280.3864, 282.1241

0.4008

312.1172,
335.0185, 338.6503

■ 0.0000, 0.0000,
0.0000

■ 48.0667, 52.4893,
49.7175

■ 48.0667, 52.4893,
49.7175

■ 44.5074, 50.8653,
40.0918

■ 51.9949, 54.2747,
60.8007

■ 41.2998, 49.3906,
31.8596

■ 56.2997, 56.2196,
73.3951

■ 38.4317, 48.0619,
24.9570

■ 60.9942, 58.3311,
87.5557

■ 35.8884, 46.8730,
19.3141

■ 65.9919, 60.5748,
102.8217

■ 33.6541, 45.8176,
14.8543

■ 68.2049, 61.7156,
102.9253

■ 31.7111, 44.8883,
11.4929

■ 70.5145, 62.9063,
103.0334

■ 30.0397, 44.0772,
9.1336

■ 72.9219, 64.1474,
103.1460

■ 28.6170, 43.3748,
7.6639

■ 75.4283, 65.4394,
103.2633

■ 27.4081, 42.7671,
6.9079

■ 78.0347, 66.7831,
103.3853

Harmonies

Analogous

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



49.6503, 52.4893, 48.2737



48.0667, 52.4893, 49.7175



46.9906, 52.4893, 53.1520

Triad

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



48.0667, 52.4893, 49.7175



48.4726, 52.4893, 66.0454



53.2378, 52.4893, 56.4686

Complementary

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



48.0667, 52.4893, 49.7175



45.4272, 45.9276, 57.5123

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.



52.9052, 52.4893, 61.3477



48.0667, 52.4893, 49.7175



50.1294, 52.4893, 67.0570

Square

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



48.0667, 52.4893, 49.7175



47.2212, 52.4893, 62.6018



51.7578, 52.4893, 65.2928



52.6565, 52.4893, 52.0279

Rectangle

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



48.0667, 52.4893, 49.7175



46.6925, 52.4893, 56.2036



51.7578, 52.4893, 65.2928



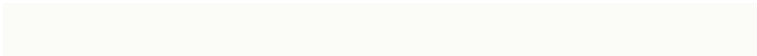
53.2292, 52.4893, 58.1109

Sweetspot

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



48.0681, 52.4916, 49.7186



91.4262, 97.0708, 102.2383



47.3987, 48.9111, 49.0628



20.0371, 21.2647, 22.4337



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.



48.0681, 52.4916, 49.7186



85.8003, 94.5122, 86.5420



46.1827, 51.5196, 49.6304



10.5354, 11.5635, 10.7386



17.9816, 28.0987, 4.4759



0.8513, 1.2524, 0.1969

Inverse Universe

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



45.4272, 45.9276, 57.5123



79.9842, 80.0560, 103.7065



47.3644, 46.9262, 57.6030



9.8774, 9.9279, 12.6805



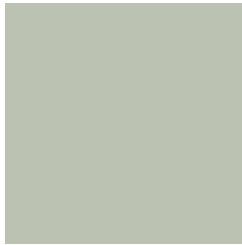
8.2819, 3.5299, 33.8015



0.4344, 0.1920, 1.4640

Previews

White Background



This preview shows how the XYZ color 48.0667, 52.4893, 49.7175 looks on a white background.

Color Contrast Check

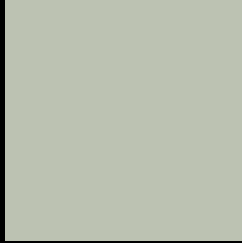
Large Text (above 18pt) WCAG AA × Fail

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 48.0667, 52.4893, 49.7175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

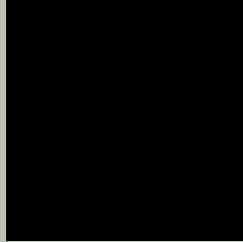
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

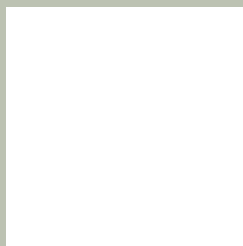
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0667, 52.4893, 49.7175

Background



This preview shows how black text looks on a background with the XYZ color 48.0667, 52.4893, 49.7175.



This preview shows how white text looks on a background with the XYZ color 48.0667, 52.4893,

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

48.0667, 52.4893, 49.7175

Protanopia

50.0205, 52.5383, 48.5788

Deuteranopia

53.3187, 52.2894, 50.4627



Tritanopia

51.1711, 52.4412, 65.1828

Trichromacy



Original Color

48.0667, 52.4893, 49.7175

Protanomaly

49.2911, 52.4757, 49.1259

Deuteranomaly

51.2967, 52.2002, 50.0199

Tritanomaly

49.9670, 52.2781, 59.0869

Monochromacy



Original Color

48.0667, 52.4893, 49.7175

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.4800, 51.6256, 53.8639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0667, 52.4893, 49.7175 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(188, 194, 178)` looks like.

```
.text, #text, p{  
    color:rgb(188, 194, 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(188, 194, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 194, 178) }
```

Border

The CSS property to change the border of an element to XYZ 48.0667, 52.4893, 49.7175 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(188, 194, 178) }
```


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

```
.border{ border-color:rgb(188, 194, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 194, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 194, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 194, 178);  
box-shadow:4px 4px 4px 4px rgb(188, 194,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0667, 52.4893, 49.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 194, 178) }
```

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

```
.background{ background-color: rgb(188,  
194, 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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