

Converting Colors

XYZ(48.5148, 53.3856, 49.8669)

Have a look what the booklet for
XYZ(48.5148, 53.3856, 49.8669)
contains.

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Color

**XYZ(48.5148, 53.3856,
49.8669)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC4B2
RGB	188, 196, 178
RGB Percent	74%, 77%, 70%
CMY	0.2627, 0.2314, 0.3020
CMYK	0.04, 0.00, 0.09, 0.23
HSL	87°, 13%, 73%
HSV	87°, 9%, 77%
XYZ	48.5148, 53.3856, 49.8669
YIQ	191.5560, 1.0100, -7.2940

Conversions

Conversions Part 2

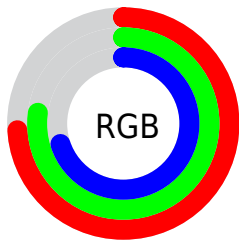
Format	Color
RYB	178, 196, 186
Decimal	12371122
CIELab	78.10, -6.02, 8.08
CIELCh	78, 10.079, 126.691
Yxy	53.3856, 0.3197, 0.3518
Android (android.graphics.Color)	4290561202 (0xFFBCC4B2)
YUV	191.5560, -6.6831, -3.1186
Hunter-Lab	73.0655, -9.3421, 10.6806

Details

The XYZ color **48.5148, 53.3856, 49.8669** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.1361, 46.2669, 58.7262**, and the grayscale version is **49.8827, 52.4805, 57.1512**.

A 20% lighter version of the original color is **87.2848, 95.4242, 91.6602**, and **23.3663, 25.9776, 23.1847** is the 20% darker color. If you saturate the color by 10%, you get **44.6039, 51.5824, 40.1345**, and if you desaturate by 10%, it is **52.8396, 55.3728, 61.0887**.

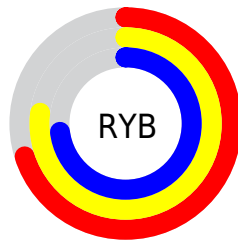
Distribution



Red (74%)

Green (77%)

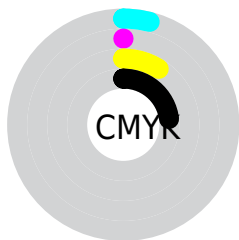
Blue (70%)



Red (70%)

Yellow (77%)

Blue (73%)

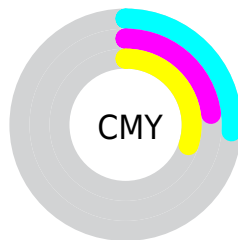


Cyan (4%)

Magenta (0%)

Yellow (9%)

Black (23%)



Cyan (26%)

Magenta (23%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5148, 53.3856, 49.8669 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 48.5148, 53.3856, 49.8669 by changing the saturation by 10% instead.

■ 48.5148, 53.3856,
49.8669

■ 48.5148, 53.3856,
49.8669

371.3778,
399.7628, 402.8654

■ 34.4477, 38.1107,
34.9372

■ 87.1755, 95.1715,
91.3719

■ 23.4023, 26.0686,
23.3313

112.4997,
122.4513, 118.7843

■ 15.0131, 16.8750,
14.6308

142.3071,
154.5016, 151.1947

■ 8.9150, 10.1454,
8.4169

176.9629,
191.7066, 189.0216

■ 4.7424, 5.4955,
4.2713

216.8325,
234.4508, 232.6836

■ 2.1301, 2.5408,
1.7753

262.2813,

■ 0.7055, 0.8970,

283.1187, 282.5992

0.4116

313.6746,
338.0945, 339.1869

■ 0.0000, 0.0000,
0.0000

■ 48.5148, 53.3856,
49.8669

■ 48.5148, 53.3856,
49.8669

■ 44.6039, 51.5824,
40.1345

■ 52.8396, 55.3728,
61.0887

■ 41.0882, 49.9503,
31.8255

■ 57.5871, 57.5426,
73.8554

■ 37.9543, 48.4853,
24.8740

■ 62.7717, 59.9027,
88.2238

■ 35.1860, 47.1807,
19.2075

■ 68.1785, 62.3674,
103.0525

■ 32.7658, 46.0293,
14.7468

■ 70.9308, 63.7862,
103.1813

■ 30.6744, 45.0230,
11.4040

■ 73.8233, 65.2774,
103.3166

■ 28.8904, 44.1529,
9.0791

■ 76.8579, 66.8418,
103.4586

■ 27.3885, 43.4086,
7.6543

■ 79.0310, 67.9620,
103.5603

■ 26.1272, 42.7732,
6.9249

Harmonies

Analogous

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



50.3020, 53.3856, 48.0191



48.5148, 53.3856, 49.8669



47.3463, 53.3856, 53.9459

Triad

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



48.5148, 53.3856, 49.8669



49.2594, 53.3856, 68.6547



54.5916, 53.3856, 56.8749

Complementary

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



48.5148, 53.3856, 49.8669



46.1361, 46.2669, 58.7262

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.



54.2950, 53.3856, 62.5205



48.5148, 53.3856, 49.8669



51.1834, 53.3856, 69.5642

Square

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



48.5148, 53.3856, 49.8669



47.7684, 53.3856, 64.8435



53.0351, 53.3856, 67.2542



53.8353, 53.3856, 51.8926

Rectangle

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



48.5148, 53.3856, 49.8669



47.0582, 53.3856, 57.5047



53.0351, 53.3856, 67.2542



54.6120, 53.3856, 58.7554

Sweetspot

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



48.5163, 53.3879, 49.8681



92.6023, 98.8777, 102.4838



48.3197, 49.9856, 49.2217



19.6833, 21.1008, 21.5780



0.0000, 0.0000, 0.0000



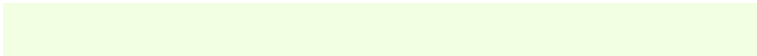
20.3446, 21.4041, 23.3091

Same Dimension

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



48.5163, 53.3879, 49.8681



86.4181, 96.0343, 86.6186



46.4141, 52.3042, 49.7697



10.4674, 11.5284, 10.7354



16.8254, 27.5027, 4.4218



0.8053, 1.2287, 0.1947

Inverse Universe

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



46.1361, 46.2669, 58.7262



81.2442, 80.5549, 105.8744



48.3403, 47.4032, 58.8294



9.9439, 9.9622, 12.6836



9.0319, 3.9165, 33.8365



0.4694, 0.2100, 1.4657

Previews

White Background



This preview shows how the XYZ color 48.5148, 53.3856, 49.8669 looks on a white background.

Color Contrast Check

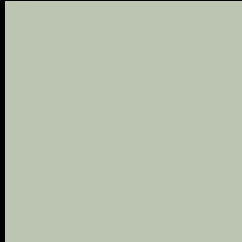
Large Text (above 18pt) WCAG AA × Fail

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 48.5148, 53.3856, 49.8669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

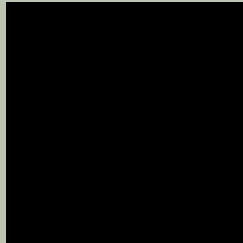
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

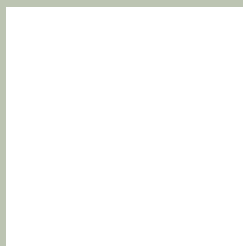
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5148, 53.3856, 49.8669

Background



This preview shows how black text looks on a background with the XYZ color 48.5148, 53.3856, 49.8669.



This preview shows how white text looks on a background with the XYZ color 48.5148, 53.3856,

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

48.5148, 53.3856, 49.8669

Protanopia

50.5055, 53.1132, 48.6642

Deuteranopia

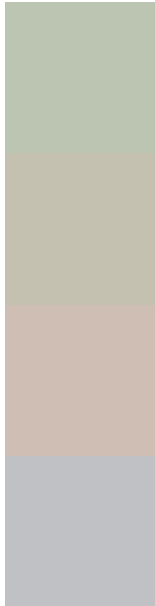
54.1160, 53.0120, 50.5601



Tritanopia

51.8503, 53.4107, 66.6080

Trichromacy



Original Color

48.5148, 53.3856, 49.8669

Protanomaly

49.7707, 53.0500, 49.2115

Deuteranomaly

52.0037, 53.2034, 50.1762

Tritanomaly

50.5196, 53.2018, 59.8309

Monochromacy



Original Color

48.5148, 53.3856, 49.8669

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.5255, 52.8042, 54.5957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5148, 53.3856, 49.8669 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, 196, 178)` looks like.

```
.text, #text, p{  
    color:rgb(188, 196, 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, 196, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 196, 178) }
```

Border

The CSS property to change the border of an element to XYZ 48.5148, 53.3856, 49.8669 is called "border". The border property can be set on classes, ids or directly on the HTML element.

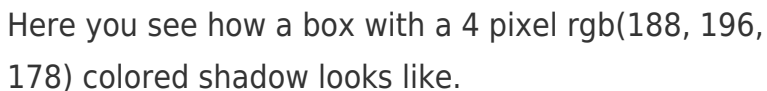
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 196, 178) }
```


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

```
.border{ border-color:rgb(188, 196, 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, 196, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 196, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 196, 178);  
box-shadow:4px 4px 4px 4px rgb(188, 196,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5148, 53.3856, 49.8669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 196, 178) }
```

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

```
.background{ background-color: rgb(188,  
196, 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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