

Converting Colors

XYZ(48.5096, 50.9546, 56.1022)

Have a look what the booklet for
XYZ(48.5096, 50.9546, 56.1022)
contains.

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Color

**XYZ(48.4781, 50.9317,
55.9909)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBDBE
RGB	189, 189, 190
RGB Percent	74%, 74%, 75%
CMY	0.2588, 0.2588, 0.2549
CMYK	0.01, 0.01, 0.00, 0.25
HSL	240°, 1%, 74%
HSV	240°, 1%, 75%
XYZ	48.4781, 50.9317, 55.9909
YIQ	189.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

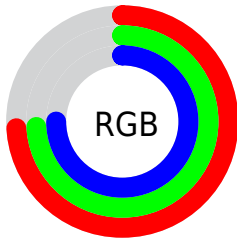
Format	Color
RYB	189, 189, 190
Decimal	12434878
CIELab	76.64, 0.19, -0.51
CIELCh	77, 0.546, 290.338
Yxy	50.9317, 0.3120, 0.3277
Android (android.graphics.Color)	4290624958 (0xFFBDBDBE)
YUV	189.1140, 0.4368, -0.1000
Hunter-Lab	71.3664, -3.6391, 3.4403

Details

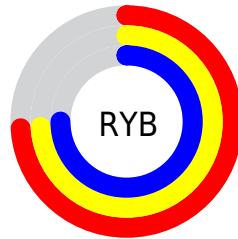
The XYZ color **48.4781, 50.9317, 55.9909** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.8340, 51.4475, 55.5013**, and the grayscale version is **48.4339, 50.9563, 55.4914**.

A 20% lighter version of the original color is **86.9431, 91.3711, 100.2428**, and **23.4729, 24.6487, 27.1874** is the 20% darker color. If you saturate the color by 10%, you get **40.2597, 41.0389, 54.5153**, and if you desaturate by 10%, it is **57.8487, 62.2109, 57.6749**.

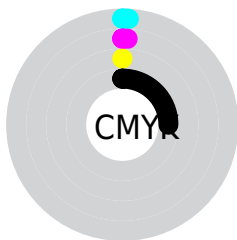
Distribution



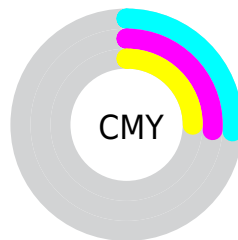
- Red (74%)
- Green (74%)
- Blue (75%)



- Red (74%)
- Yellow (74%)
- Blue (75%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



- Cyan (26%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4781, 50.9317, 55.9909 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 48.4781, 50.9317, 55.9909 by changing the saturation by 10% instead.

■ 48.4781, 50.9317,
55.9909

■ 48.4781, 50.9317,
55.9909

371.2352,
390.2984, 427.0446

■ 34.4185, 36.1543,
39.7917

■ 87.1212, 91.5538,
100.4769

■ 23.3797, 24.5534,
27.0636

112.4354,
118.1673, 129.6008

■ 14.9963, 15.7446,
17.3881

142.2319,
149.4948, 163.8700

■ 8.9031, 9.3436,
10.3467

176.8759,
185.9209, 203.7031

■ 4.7346, 4.9660,
5.5209

216.7329,
227.8299, 249.5185

■ 2.1256, 2.2273,
2.4920

262.1682,

■ 0.7031, 0.7348,

275.6062, 301.7349

0.8359

313.5472,
329.6343, 360.7707

■ 0.0000, 0.0000,
0.0000

■ 48.4781, 50.9317,
55.9909

■ 48.4781, 50.9317,
55.9909

■ 40.2597, 41.0389,
54.5153

■ 57.8487, 62.2109,
57.6749

■ 33.1449, 32.4728,
53.2369

■ 68.4090, 74.9201,
59.5714

■ 27.0880, 25.1789,
52.1482

■ 80.2002, 89.1093,
61.6887

■ 22.0386, 19.0966,
51.2404

■ 86.2944, 96.4978,
62.7937

■ 17.9420, 14.1603,
50.5035

■ 14.7384, 10.2983,
49.9269

■ 12.3614, 7.4306,
49.4987

■ 10.7350, 5.4663,
49.2052

■ 9.7696, 4.2979,
49.0306

Harmonies

Analogous

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



48.3757, 50.9317, 56.0185



48.4781, 50.9317, 55.9909



48.5621, 50.9317, 55.8197

Triad

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



48.4781, 50.9317, 55.9909



48.5359, 50.9317, 55.0193



48.2136, 50.9317, 55.3606

Complementary

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



48.4781, 50.9317, 55.9909



48.8340, 51.4475, 55.5013

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.



48.2564, 50.9317, 55.0938



48.4781, 50.9317, 55.9909



48.4424, 50.9317, 54.8972

Square

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



48.4781, 50.9317, 55.9909



48.5955, 50.9317, 55.2585



48.3401, 50.9317, 54.9244



48.2231, 50.9317, 55.6538

Rectangle

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



48.4781, 50.9317, 55.9909



48.5963, 50.9317, 55.6475



48.3401, 50.9317, 54.9244



48.2223, 50.9317, 55.2648

Sweetspot

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



48.4795, 50.9339, 55.9920



88.6918, 93.3107, 101.6153



48.6929, 51.3635, 56.0541



19.4759, 20.4902, 22.3138



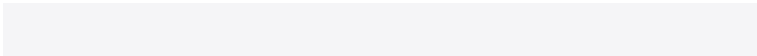
92.9021, 97.7402, 106.4391

Same Dimension

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



48.4795, 50.9339, 55.9920



87.0733, 91.3624, 101.3246



48.5989, 50.9944, 55.9974



10.5420, 11.0637, 12.2521



6.1859, 2.4836, 32.5462



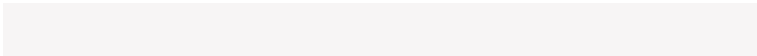
0.2432, 0.0991, 1.2752

Inverse Universe

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



48.6192, 51.0173, 55.4315



87.5602, 91.6535, 99.3700



48.7142, 51.3868, 55.4959



10.5962, 11.0961, 12.0346



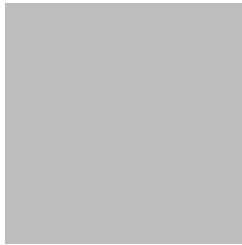
14.1231, 7.2804, 0.6761



0.5537, 0.2854, 0.0288

Previews

White Background



This preview shows how the XYZ color 48.4781, 50.9317, 55.9909 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 48.4781, 50.9317, 55.9909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

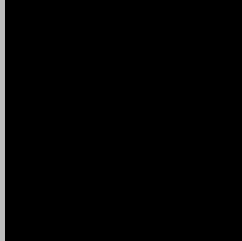
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

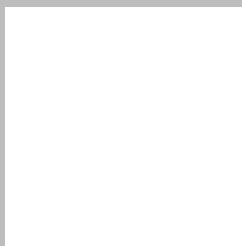
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4781, 50.9317, 55.9909

Background



This preview shows how black text looks on a background with the XYZ color 48.4781, 50.9317, 55.9909.

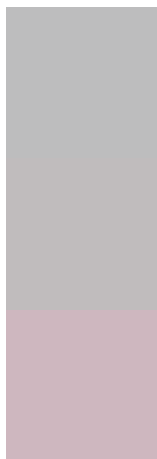


This preview shows how white text looks on a background with the XYZ color 48.4781, 50.9317,

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

48.4781, 50.9317, 55.9909

Protanopia

48.9068, 50.8470, 55.3809

Deuteranopia

51.7911, 50.7504, 56.3563



Tritanopia

49.9169, 50.8813, 63.0673

Trichromacy



Original Color

48.4781, 50.9317, 55.9909

Protanomaly

48.6544, 50.7169, 55.3691

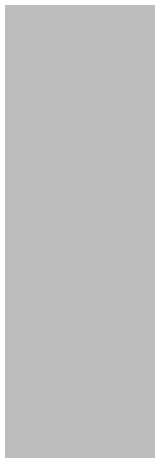
Deuteranomaly

50.5723, 50.7389, 56.4183

Tritanomaly

49.4115, 50.9908, 60.6640

Monochromacy



Original Color

48.4781, 50.9317, 55.9909

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.3692, 50.8881, 55.4172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4781, 50.9317, 55.9909 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, 189, 190)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 190)  
}
```

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, 189, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 190) }
```

Border

The CSS property to change the border of an element to XYZ 48.4781, 50.9317, 55.9909 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, 189, 190) }
```

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

```
.border{ border-color:rgb(189, 189, 190) }
```

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

Here you see how a box with a 4 pixel rgb(189, 189, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 189, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 189, 190);  
box-shadow:4px 4px 4px 4px rgb(189, 189,  
190) }
```


Background

The CSS property to change the background color of an element to XYZ 48.4781, 50.9317, 55.9909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 189, 190) }
```

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

```
.background{ background-color: rgb(189,  
189, 190) }
```

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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