

Converting Colors

XYZ(48.8346, 54.3223, 59.4949)

Have a look what the booklet for
XYZ(48.8346, 54.3223, 59.4949)
contains.

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Color

**XYZ(48.8642, 54.3707,
59.5489)**

Conversions

Conversions Part 1

Format	Color
Hex	B3C7C3
RGB	179, 199, 195
RGB Percent	70%, 78%, 76%
CMY	0.2980, 0.2196, 0.2353
CMYK	0.10, 0.00, 0.02, 0.22
HSL	168°, 15%, 74%
HSV	168°, 10%, 78%
XYZ	48.8642, 54.3707, 59.5489
YIQ	192.5640, -10.6360, -5.4840

Conversions

Conversions Part 2

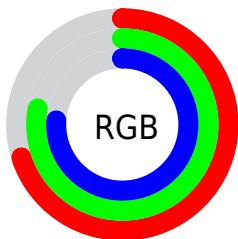
Format	Color
RYB	179, 190, 199
Decimal	11782083
CIELab	78.68, -7.54, -0.32
CIELCh	79, 7.551, 182.426
Yxy	54.3707, 0.3002, 0.3340
Android (android.graphics.Color)	4289972163 (0xFFB3C7C3)
YUV	192.5640, 1.2009, -11.8956
Hunter-Lab	73.7365, -10.7493, 3.7335

Details

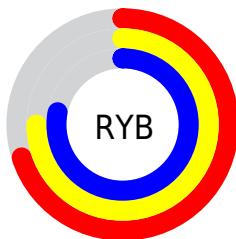
The XYZ color **48.8642, 54.3707, 59.5489** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.2226, 47.8027, 51.4877**, and the grayscale version is **50.4317, 53.0581, 57.7802**.

A 20% lighter version of the original color is **87.5916, 96.2104, 106.0494**, and **23.5373, 26.6095, 29.0949** is the 20% darker color. If you saturate the color by 10%, you get **44.1487, 51.9926, 57.0097**, and if you desaturate by 10%, it is **54.2586, 57.1004, 62.1848**.

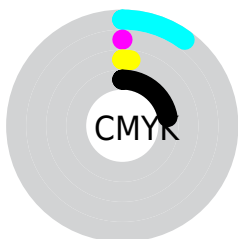
Distribution



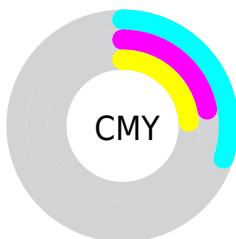
- Red (70%)
- Green (78%)
- Blue (76%)



- Red (70%)
- Yellow (75%)
- Blue (78%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



- Cyan (30%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8642, 54.3707, 59.5489 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 48.8642, 54.3707, 59.5489 by changing the saturation by 10% instead.

■ 48.8642, 54.3707,
59.5489

■ 48.8642, 54.3707,
59.5489

372.7333,
403.5220, 440.6914

■ 34.7259, 38.8981,
42.6322

■ 87.6917, 96.6183,
105.7120

■ 23.6173, 26.6805,
29.2674

113.1115,
124.1621, 135.7954

■ 15.1732, 17.3334,
19.0359

143.0225,
156.4985, 171.1049

■ 9.0281, 10.4725,
11.5191

177.7901,
194.0118, 212.0590

■ 4.8168, 5.7133,
6.2986

217.7797,
237.0864, 259.0761

■ 2.1738, 2.6716,
2.9558

263.3565,

■ 0.7289, 0.9628,

286.1067, 312.5748

1.0721

314.8859,
341.4571, 372.9738

■ 0.0000, 0.0000,
0.0000

■ 48.8642, 54.3707,
59.5489

■ 48.8642, 54.3707,
59.5489

■ 44.1487, 51.9926,
57.0097

■ 54.2586, 57.1004,
62.1848

■ 40.0790, 49.9446,
54.5619

■ 60.3540, 60.1886,
64.9156

■ 36.6263, 48.2132,
52.2047

■ 67.1772, 63.6505,
67.7441

■ 33.7577, 46.7817,
49.9360

■ 73.4138, 66.8086,
70.6092

■ 31.4372, 45.6313,
47.7538

■ 73.9192, 67.0108,
73.2707

■ 29.6246, 44.7414,
45.6555

■ 74.4371, 67.2179,
75.9978

■ 28.2743, 44.0886,
43.6387

■ 74.9675, 67.4301,
78.7910

■ 27.3323, 43.6449,
41.7001

■ 75.5105, 67.6473,
81.6507

■ 26.6979, 43.3583,
39.8440

■ 76.0663, 67.8696,
84.5774

Harmonies

Analogous

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



49.1763, 54.3707, 55.4782



48.8642, 54.3707, 59.5489



49.2939, 54.3707, 63.7161

Triad

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



48.8642, 54.3707, 59.5489



53.2313, 54.3707, 66.4097



53.0171, 54.3707, 52.2123

Complementary

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



48.8642, 54.3707, 59.5489



48.2226, 47.8027, 51.4877

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.



54.1372, 54.3707, 54.9034



48.8642, 54.3707, 59.5489



54.2626, 54.3707, 63.0856

Square

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



48.8642, 54.3707, 59.5489



51.7992, 54.3707, 67.7942



54.5972, 54.3707, 58.8534



51.5564, 54.3707, 51.3655

Rectangle

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



48.8642, 54.3707, 59.5489



49.9481, 54.3707, 65.9538



54.5972, 54.3707, 58.8534



53.4469, 54.3707, 52.9246

Sweetspot

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



48.8657, 54.3730, 59.5501



92.0458, 98.4796, 107.4779



48.1697, 54.2121, 50.5740



19.5338, 20.9938, 22.9239



0.0000, 0.0000, 0.0000



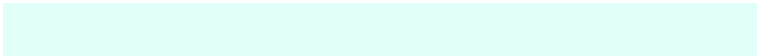
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8657, 54.3730, 59.5501



83.7042, 94.2631, 103.3042



48.0447, 51.9968, 61.5397



10.8522, 12.0298, 13.1720



17.1983, 27.8917, 25.7866



0.8381, 1.3302, 1.3464

Inverse Universe

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



48.2226, 47.8027, 51.4877



82.3599, 80.5292, 86.4521



48.9711, 49.9571, 49.7104



10.7192, 10.6711, 11.5047



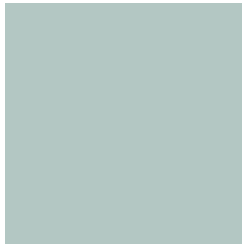
15.4150, 7.9156, 2.1294



0.7563, 0.3853, 0.2397

Previews

White Background



This preview shows how the XYZ color 48.8642, 54.3707, 59.5489 looks on a white background.

Color Contrast Check

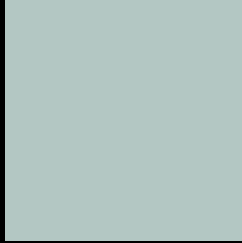
Large Text (above 18pt) WCAG AA × Fail

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 48.8642, 54.3707, 59.5489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

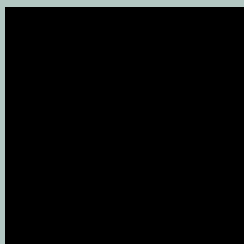
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

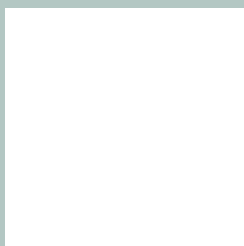
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8642, 54.3707, 59.5489

Background



This preview shows how black text looks on a background with the XYZ color 48.8642, 54.3707, 59.5489.

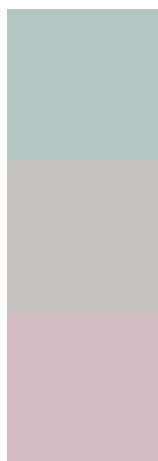


This preview shows how white text looks on a background with the XYZ color 48.8642, 54.3707,

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

48.8642, 54.3707, 59.5489

Protanopia

52.0949, 54.3951, 57.6228

Deuteranopia

55.2126, 53.9947, 60.3353



Tritanopia

50.9150, 54.1784, 70.0613

Trichromacy



Original Color

48.8642, 54.3707, 59.5489

Protanomaly

50.8514, 54.4065, 58.2734

Deuteranomaly

52.6329, 53.9642, 59.8666

Tritanomaly

50.1629, 54.2125, 66.2127

Monochromacy



Original Color

48.8642, 54.3707, 59.5489

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.9917, 53.6166, 58.7531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8642, 54.3707, 59.5489 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(179, 199, 195)` looks like.

```
.text, #text, p{  
    color:rgb(179, 199, 195)  
}
```

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(179, 199, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 199, 195) }
```

Border

The CSS property to change the border of an element to XYZ 48.8642, 54.3707, 59.5489 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(179, 199, 195) }
```


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

```
.border{ border-color:rgb(179, 199, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 199, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 199, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 199, 195);  
box-shadow:4px 4px 4px 4px rgb(179, 199,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8642, 54.3707, 59.5489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 199, 195) }
```

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

```
.background{ background-color: rgb(179,  
199, 195) }
```

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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