

Converting Colors

XYZ(49.9941, 53.9746, 58.6805)

Have a look what the booklet for
XYZ(49.9941, 53.9746, 58.6805)
contains.

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Color

**XYZ(49.9710, 53.9397,
58.8166)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC4C2
RGB	187, 196, 194
RGB Percent	73%, 77%, 76%
CMY	0.2667, 0.2314, 0.2392
CMYK	0.05, 0.00, 0.01, 0.23
HSL	167°, 7%, 75%
HSV	167°, 5%, 77%
XYZ	49.9710, 53.9397, 58.8166
YIQ	193.0810, -4.7220, -2.5300

Conversions

Conversions Part 2

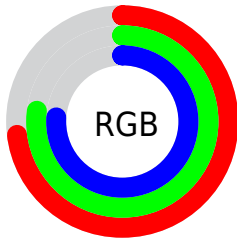
Format	Color
RYB	187, 192, 196
Decimal	12305602
CIELab	78.43, -3.46, -0.08
CIElCh	78, 3.463, 181.306
Yxy	53.9397, 0.3071, 0.3315
Android (android.graphics.Color)	4290495682 (0xFFBBC4C2)
YUV	193.0810, 0.4531, -5.3330
Hunter-Lab	73.4437, -7.0751, 3.9288

Details

The XYZ color **49.9710, 53.9397, 58.8166** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.7225, 50.9518, 55.3606**, and the grayscale version is **50.7368, 53.3791, 58.1299**.

A 20% lighter version of the original color is **89.3427, 96.2074, 104.3035**, and **24.2381, 26.3078, 28.6114** is the 20% darker color. If you saturate the color by 10%, you get **45.0171, 51.4432, 56.0663**, and if you desaturate by 10%, it is **55.5968, 56.7840, 61.6756**.

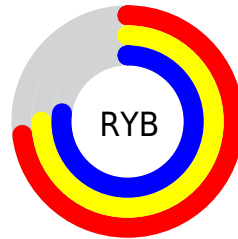
Distribution



Red (73%)

Green (77%)

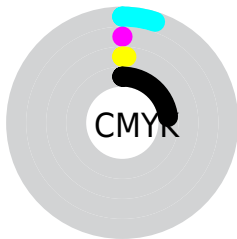
Blue (76%)



Red (73%)

Yellow (75%)

Blue (77%)

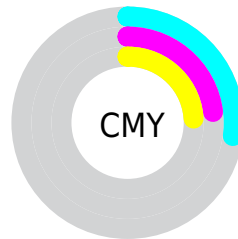


Cyan (5%)

Magenta (0%)

Yellow (1%)

Black (23%)



Cyan (27%)

Magenta (23%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9710, 53.9397, 58.8166 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 49.9710, 53.9397, 58.8166 by changing the saturation by 10% instead.

■ 49.9710, 53.9397,
58.8166

■ 49.9710, 53.9397,
58.8166

377.0064,
401.8800, 437.9049

■ 35.6081, 38.5535,
42.0465

■ 89.3240, 95.9857,
104.6376

■ 24.3003, 26.4125,
28.8118

115.0447,
123.4142, 134.5255

■ 15.6825, 17.1325,
18.6942

145.2821,
155.6257, 169.6230

■ 9.3892, 10.3290,
11.2749

180.4016,
193.0044, 210.3488

■ 5.0550, 5.6176,
6.1356

220.7683,
235.9348, 257.1214

■ 2.3147, 2.6140,
2.8576

266.7478,

■ 0.8022, 0.9337,

284.8013, 310.3592

1.0224

318.7054,
339.9882, 370.4808

■ 0.0000, 0.0000,
0.0000

■ 49.9710, 53.9397,
58.8166

■ 49.9710, 53.9397,
58.8166

■ 45.0171, 51.4432,
56.0663

■ 55.5968, 56.7840,
61.6756

■ 40.7041, 49.2738,
53.4192

■ 61.9150, 59.9820,
64.6417

■ 37.0053, 47.4195,
50.8747

■ 68.9506, 63.5482,
67.7175

■ 33.8902, 45.8645,
48.4306

■ 72.7948, 65.4675,
70.7209

■ 31.3260, 44.5919,
46.0848

■ 73.3506, 65.6898,
73.6480

■ 29.2761, 43.5828,
43.8348

■ 73.9214, 65.9181,
76.6538

■ 27.6999, 42.8163,
41.6781

■ 74.5073, 66.1525,
79.7390

■ 26.5500, 42.2681,
39.6118

■ 75.1084, 66.3929,
82.9042

■ 25.7693, 41.9086,
37.6325

■ 75.7248, 66.6395,
86.1500

Harmonies

Analogous

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



50.1288, 53.9397, 56.9502



49.9710, 53.9397, 58.8166



50.1582, 53.9397, 60.7000

Triad

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



49.9710, 53.9397, 58.8166



51.9510, 53.9397, 61.9915



51.8989, 53.9397, 55.5049

Complementary

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



49.9710, 53.9397, 58.8166



49.7225, 50.9518, 55.3606

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.



52.3942, 53.9397, 56.8054



49.9710, 53.9397, 58.8166



52.4245, 53.9397, 60.5489

Square

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



49.9710, 53.9397, 58.8166



51.2979, 53.9397, 62.5579



52.5874, 53.9397, 58.6458



51.2383, 53.9397, 55.0638

Rectangle

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



49.9710, 53.9397, 58.8166



50.4544, 53.9397, 61.7048



52.5874, 53.9397, 58.6458



52.0905, 53.9397, 55.8546

Sweetspot

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



49.9725, 53.9420, 58.8178



94.0268, 99.4831, 108.3760



49.7223, 53.9017, 54.7978



20.1364, 21.2989, 23.2025



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.



49.9725, 53.9420, 58.8178



89.1001, 96.9955, 105.7859



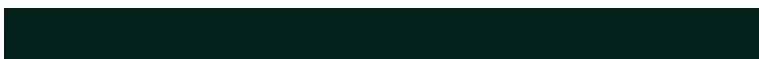
49.6618, 52.9581, 59.8318



10.5767, 11.5438, 12.5906



16.3795, 26.8459, 23.6892



0.7320, 1.1696, 1.1513

Inverse Universe

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



49.7225, 50.9518, 55.3606



88.5052, 89.8810, 97.5606



50.0201, 51.8927, 54.3943



10.5006, 10.6342, 11.5389



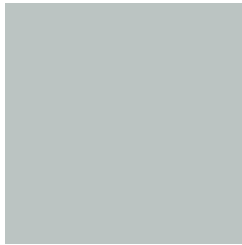
14.9420, 7.6666, 2.3409



0.6724, 0.3420, 0.2424

Previews

White Background



This preview shows how the XYZ color 49.9710, 53.9397, 58.8166 looks on a white background.

Color Contrast Check

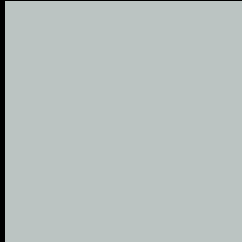
Large Text (above 18pt) WCAG AA × Fail

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 49.9710, 53.9397, 58.8166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

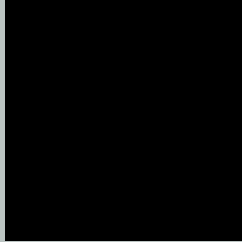
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

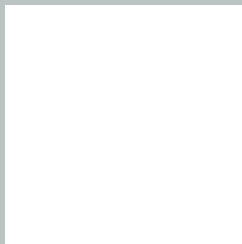
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9710, 53.9397, 58.8166

Background



This preview shows how black text looks on a background with the XYZ color 49.9710, 53.9397, 58.8166.



This preview shows how white text looks on a background with the XYZ color 49.9710, 53.9397,

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

49.9710, 53.9397, 58.8166

Protanopia

51.8731, 53.9515, 57.5488

Deuteranopia

55.0984, 53.9490, 59.7338



Tritanopia

51.7867, 54.0058, 68.0163

Trichromacy



Original Color

49.9710, 53.9397, 58.8166

Protanomaly

51.1656, 53.9032, 58.1597

Deuteranomaly

53.1097, 53.8982, 59.2340

Tritanomaly

51.1532, 54.0812, 64.8694

Monochromacy



Original Color

49.9710, 53.9397, 58.8166

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.4033, 53.5102, 58.1240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9710, 53.9397, 58.8166 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(187, 196, 194) looks like.

```
.text, #text, p{  
    color:rgb(187, 196, 194)  
}
```

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(187, 196, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 196, 194) }
```

Border

The CSS property to change the border of an element to XYZ 49.9710, 53.9397, 58.8166 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(187, 196, 194) }
```


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

```
.border{ border-color:rgb(187, 196, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 196, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 196, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 196, 194);  
box-shadow:4px 4px 4px 4px rgb(187, 196,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9710, 53.9397, 58.8166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 196, 194) }
```

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

```
.background{ background-color: rgb(187,  
196, 194) }
```

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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