

Converting Colors

XYZ(50.2224, 53.8634, 49.1959)

Have a look what the booklet for
XYZ(50.2224, 53.8634, 49.1959)
contains.

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Color

**XYZ(50.2159, 53.9403,
49.3598)**

Conversions

Conversions Part 1

Format	Color
Hex	C4C3B1
RGB	196, 195, 177
RGB Percent	77%, 76%, 69%
CMY	0.2314, 0.2353, 0.3059
CMYK	0.00, 0.01, 0.10, 0.23
HSL	57°, 14%, 73%
HSV	57°, 10%, 77%
XYZ	50.2159, 53.9403, 49.3598
YIQ	193.2470, 6.3740, -5.3860

Conversions

Conversions Part 2

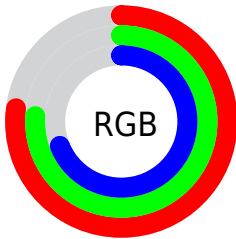
Format	Color
RYB	178, 196, 177
Decimal	12895153
CIELab	78.43, -2.81, 9.17
CIELCh	78, 9.586, 107.016
Yxy	53.9403, 0.3271, 0.3514
Android (android.graphics.Color)	4291085233 (0xFFC4C3B1)
YUV	193.2470, -8.0098, 2.4144
Hunter-Lab	73.4441, -6.4813, 11.5636

Details

The XYZ color **50.2159, 53.9403, 49.3598** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.0157, 45.1727, 58.6245**, and the grayscale version is **50.8781, 53.5277, 58.2917**.

A 20% lighter version of the original color is **90.0264, 96.3866, 90.9504**, and **24.3183, 26.2558, 22.8549** is the 20% darker color. If you saturate the color by 10%, you get **48.1720, 52.7573, 39.7225**, and if you desaturate by 10%, it is **52.5449, 55.2434, 60.4779**.

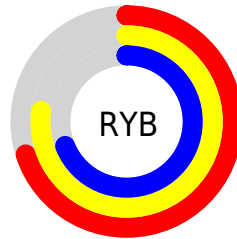
Distribution



Red (77%)

Green (76%)

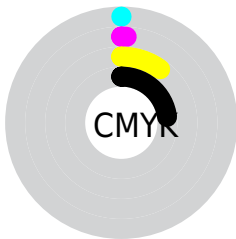
Blue (69%)



Red (70%)

Yellow (77%)

Blue (69%)

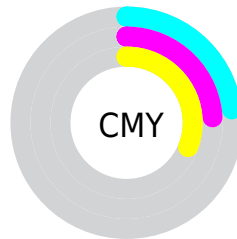


Cyan (0%)

Magenta (1%)

Yellow (10%)

Black (23%)



Cyan (23%)

Magenta (24%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2159, 53.9403, 49.3598 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 50.2159, 53.9403, 49.3598 by changing the saturation by 10% instead.

■ 50.2159, 53.9403,
49.3598

■ 50.2159, 53.9403,
49.3598

377.9477,
401.8823, 400.8202

■ 35.8035, 38.5539,
34.5374

■ 89.6846, 95.9866,
90.6121

■ 24.4519, 26.4129,
23.0260

115.4716,
123.4153, 117.8791

■ 15.7957, 17.1328,
14.4072

145.7808,
155.6269, 150.1313

■ 9.4696, 10.3292,
8.2625

180.9776,
193.0058, 187.7873

■ 5.1083, 5.6178,
4.1732

221.4273,
235.9364, 231.2657

■ 2.3464, 2.6141,
1.7208

267.4953,

■ 0.8182, 0.9338,

284.8031, 280.9849

0.3749

319.5470,
339.9903, 337.3636

■ 0.0000, 0.0000,
0.0000

■ 50.2159, 53.9403,
49.3598

■ 50.2159, 53.9403,
49.3598

■ 48.1720, 52.7573,
39.7225

■ 52.5449, 55.2434,
60.4779

■ 46.3971, 51.6826,
31.4997

■ 55.1659, 56.6641,
73.1322

■ 44.8796, 50.7135,
24.6256

■ 58.0910, 58.2090,
87.3797

■ 43.6060, 49.8444,
19.0273

■ 61.2653, 59.8561,
102.9321

■ 42.5610, 49.0693,
14.6254

■ 61.5028, 60.3310,
103.0112

■ 41.7279, 48.3815,
11.3317

■ 61.7418, 60.8091,
103.0909

■ 41.0876, 47.7733,
9.0454

■ 61.9825, 61.2905,
103.1712

■ 40.6176, 47.2357,
7.6478

■ 62.2248, 61.7750,
103.2519

■ 40.2759, 46.7519,
6.9185

■ 62.4687, 62.2628,
103.3332

Harmonies

Analogous

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



52.0868, 53.9403, 49.1918



50.2159, 53.9403, 49.3598



48.6641, 53.9403, 51.9389

Triad

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



50.2159, 53.9403, 49.3598



48.8384, 53.9403, 66.6525



54.8800, 53.9403, 61.0937

Complementary

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



50.2159, 53.9403, 49.3598



44.0157, 45.1727, 58.6245

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.



53.9645, 53.9403, 66.0927



50.2159, 53.9403, 49.3598



50.4590, 53.9403, 69.4318

Square

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



50.2159, 53.9403, 49.3598



47.8823, 53.9403, 61.8203



52.3360, 53.9403, 69.2209



54.8110, 53.9403, 55.7480

Rectangle

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



50.2159, 53.9403, 49.3598



48.0056, 53.9403, 54.7733



52.3360, 53.9403, 69.2209



54.6763, 53.9403, 62.8766

Sweetspot

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



50.2174, 53.9427, 49.3610



93.7147, 99.2614, 102.4992



46.5505, 46.4059, 48.7645



19.9842, 21.2045, 21.5822



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.



50.2174, 53.9427, 49.3610



89.9991, 97.1641, 84.8168



48.3580, 53.3166, 49.3381



10.8667, 11.6649, 10.7407



25.8925, 30.0707, 4.4395



1.1328, 1.3274, 0.1965

Inverse Universe

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



44.0157, 45.1727, 58.6245



76.1122, 77.5265, 105.5603



45.7506, 45.7739, 58.6491



9.5698, 9.8308, 12.6780



6.4936, 2.7437, 33.7440



0.2955, 0.1484, 1.4629

Previews

White Background



This preview shows how the XYZ color 50.2159, 53.9403, 49.3598 looks on a white background.

Color Contrast Check

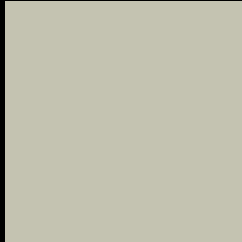
Large Text (above 18pt) WCAG AA × Fail

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 50.2159, 53.9403, 49.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

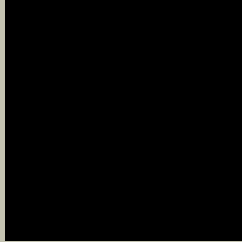
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2159, 53.9403, 49.3598

Background



This preview shows how black text looks on a background with the XYZ color 50.2159, 53.9403, 49.3598.



This preview shows how white text looks on a background with the XYZ color 50.2159, 53.9403,

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

50.2159, 53.9403, 49.3598

Protanopia

51.2636, 53.8311, 48.7629

Deuteranopia

54.8204, 53.7007, 50.1238



Tritanopia

53.5908, 53.9972, 65.9905

Trichromacy



Original Color

50.2159, 53.9403, 49.3598

Protanomaly

50.9477, 53.9975, 48.8116

Deuteranomaly

53.0277, 53.7429, 49.6980

Tritanomaly

52.2532, 53.7815, 59.2566

Monochromacy



Original Color

50.2159, 53.9403, 49.3598

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.5096, 53.6408, 54.7053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2159, 53.9403, 49.3598 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(196, 195, 177)` looks like.

```
.text, #text, p{  
    color:rgb(196, 195, 177)  
}
```

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(196, 195, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 195, 177) }
```

Border

The CSS property to change the border of an element to XYZ 50.2159, 53.9403, 49.3598 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(196, 195, 177) }
```


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

```
.border{ border-color:rgb(196, 195, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 195, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 195, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 195, 177);  
box-shadow:4px 4px 4px 4px rgb(196, 195,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2159, 53.9403, 49.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 195, 177) }
```

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

```
.background{ background-color: rgb(196,  
195, 177) }
```

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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