

Converting Colors

XYZ(49.3419, 52.2678, 57.2617)

Have a look what the booklet for
XYZ(49.3419, 52.2678, 57.2617)
contains.

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Color

**XYZ(49.3503, 52.3239,
57.3676)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC0C0
RGB	189, 192, 192
RGB Percent	74%, 75%, 75%
CMY	0.2588, 0.2470, 0.2471
CMYK	0.02, 0.00, 0.00, 0.25
HSL	180°, 2%, 75%
HSV	180°, 2%, 75%
XYZ	49.3503, 52.3239, 57.3676
YIQ	191.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

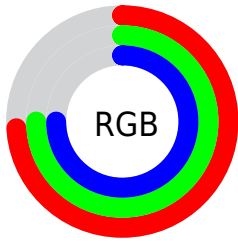
Format	Color
RYB	189, 191, 192
Decimal	12435648
CIELab	77.47, -1.03, -0.37
CIElCh	77, 1.099, 199.799
Yxy	52.3239, 0.3103, 0.3290
Android (android.graphics.Color)	4290625728 (0xFFBDC0C0)
YUV	191.1030, 0.4422, -1.8443
Hunter-Lab	72.3353, -4.8061, 3.6130

Details

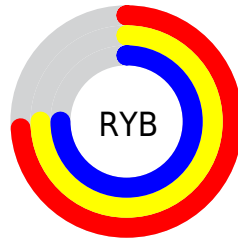
The XYZ color **49.3503, 52.3239, 57.3676** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.1231, 51.2771, 55.4551**, and the grayscale version is **49.5805, 52.1626, 56.8050**.

A 20% lighter version of the original color is **88.1669, 93.3246, 102.1735**, and **24.0462, 25.5636, 28.0930** is the 20% darker color. If you saturate the color by 10%, you get **44.8973, 50.0300, 57.1474**, and if you desaturate by 10%, it is **54.4368, 54.9473, 57.6196**.

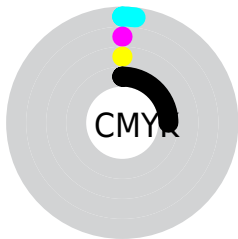
Distribution



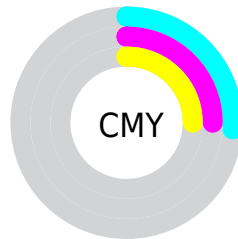
- Red (74%)
- Green (75%)
- Blue (75%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3503, 52.3239, 57.3676 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 49.3503, 52.3239, 57.3676 by changing the saturation by 10% instead.

■ 49.3503, 52.3239,
57.3676

■ 49.3503, 52.3239,
57.3676

374.6139,
395.6858, 432.3576

■ 35.1131, 37.2633,
40.8891

■ 88.4091, 93.6087,
102.5070

■ 23.9169, 25.4114,
27.9134

113.9614,
120.6018, 132.0050

■ 15.3964, 16.3839,
18.0219

144.0162,
152.3411, 166.6800

■ 9.1862, 9.7962,
10.7961

178.9387,
189.2111, 206.9504

■ 4.9209, 5.2640,
5.8175

219.0944,
231.5962, 253.2348

■ 2.2352, 2.4030,
2.6674

264.8486,

■ 0.7612, 0.8274,

279.8807, 305.9518

0.9270

316.5666,
334.4491, 365.5199

■ 0.0000, 0.0000,
0.0000

■ 49.3503, 52.3239,
57.3676

■ 49.3503, 52.3239,
57.3676

■ 44.8973, 50.0300,
57.1474

■ 54.4368, 54.9473,
57.6196

■ 41.0487, 48.0463,
56.9545

■ 60.1757, 57.9055,
57.9010

■ 37.7800, 46.3615,
56.7887

■ 66.5904, 61.2121,
58.2140

■ 35.0629, 44.9611,
56.6487

■ 69.6151, 62.7711,
58.3684

■ 32.8670, 43.8294,
56.5331

■ 69.6175, 62.7721,
58.3814

■ 31.1590, 42.9491,
56.4403

■ 69.6200, 62.7731,
58.3943

■ 29.9016, 42.3012,
56.3687

■ 69.6225, 62.7741,
58.4073

■ 29.0523, 41.8636,
56.3161

■ 69.6249, 62.7751,
58.4203

■ 28.5602, 41.6102,
56.2802

■ 69.6274, 62.7760,
58.4333

Harmonies

Analogous

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



49.3328, 52.3239, 56.7656



49.3503, 52.3239, 57.3676



49.4700, 52.3239, 57.8668

Triad

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



49.3503, 52.3239, 57.3676



50.0438, 52.3239, 57.7276



49.8044, 52.3239, 55.8322

Complementary

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



49.3503, 52.3239, 57.3676



49.1231, 51.2771, 55.4551

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.



49.9955, 52.3239, 56.0861



49.3503, 52.3239, 57.3676



50.1340, 52.3239, 57.1785

Square

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



49.3503, 52.3239, 57.3676



49.8703, 52.3239, 58.0757



50.1163, 52.3239, 56.5779



49.5946, 52.3239, 55.8820

Rectangle

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



49.3503, 52.3239, 57.3676



49.5919, 52.3239, 58.0729



50.1163, 52.3239, 56.5779



49.8730, 52.3239, 55.8848

Sweetspot

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



49.3518, 52.3261, 57.3687



90.7827, 95.5105, 104.0109



49.0351, 52.2009, 55.6361



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.



49.3518, 52.3261, 57.3687



89.0153, 94.5994, 103.9235



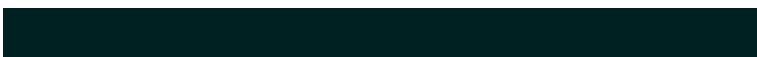
49.0350, 51.6919, 57.2650



11.1337, 11.8229, 12.9795



19.0697, 27.9219, 37.8555



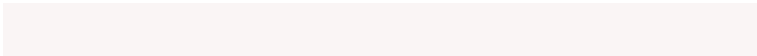
0.8241, 1.2065, 1.6365

Inverse Universe

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



49.1231, 51.2771, 55.4551



88.4786, 92.1380, 99.4335



49.4366, 51.9047, 55.5578



11.0718, 11.5390, 12.4617



14.6285, 7.5412, 0.6899



0.6322, 0.3259, 0.0307

Previews

White Background



This preview shows how the XYZ color 49.3503, 52.3239, 57.3676 looks on a white background.

Color Contrast Check

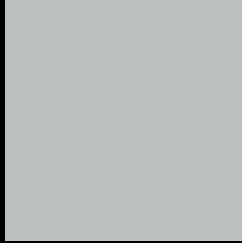
Large Text (above 18pt) WCAG AA × Fail

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 49.3503, 52.3239, 57.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

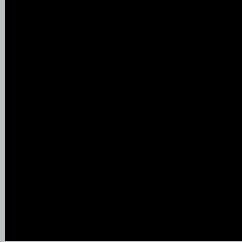
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

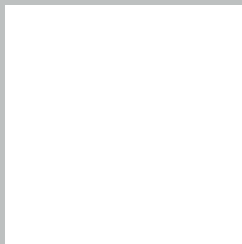
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3503, 52.3239, 57.3676

Background



This preview shows how black text looks on a background with the XYZ color 49.3503, 52.3239, 57.3676.



This preview shows how white text looks on a background with the XYZ color 49.3503, 52.3239,

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

49.3503, 52.3239, 57.3676

Protanopia

50.3231, 52.1906, 56.7117

Deuteranopia

53.2691, 52.1035, 57.7015



Tritanopia

50.9188, 52.3111, 65.1709

Trichromacy



Original Color

49.3503, 52.3239, 57.3676

Protanomaly

50.0271, 52.3606, 56.7601

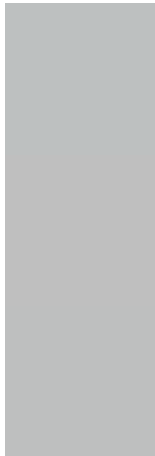
Deuteranomaly

51.9660, 52.3733, 57.8222

Tritanomaly

50.2913, 52.3789, 62.1031

Monochromacy



Original Color

49.3503, 52.3239, 57.3676

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.2700, 51.9703, 56.7247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3503, 52.3239, 57.3676 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, 192, 192)` looks like.

```
.text, #text, p{  
    color:rgb(189, 192, 192)  
}
```

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, 192, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 192, 192) }
```

Border

The CSS property to change the border of an element to XYZ 49.3503, 52.3239, 57.3676 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, 192, 192) }
```

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

```
.border{ border-color:rgb(189, 192, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 192, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 192, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 192, 192);  
box-shadow:4px 4px 4px 4px rgb(189, 192,  
192) }
```


Background

The CSS property to change the background color of an element to XYZ 49.3503, 52.3239, 57.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 192, 192) }
```

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

```
.background{ background-color: rgb(189,  
192, 192) }
```

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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