

Converting Colors

XYZ(50.9439, 57.5753, 38.6576)

Have a look what the booklet for
XYZ(50.9439, 57.5753, 38.6576)
contains.

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Color

**XYZ(50.8958, 57.6278,
38.5778)**

Conversions

Conversions Part 1

Format	Color
Hex	C7CC99
RGB	199, 204, 153
RGB Percent	78%, 80%, 60%
CMY	0.2196, 0.2000, 0.4000
CMYK	0.02, 0.00, 0.25, 0.20
HSL	66°, 33%, 70%
HSV	66°, 25%, 80%
XYZ	50.8958, 57.6278, 38.5778
YIQ	196.6910, 13.3910, -16.9210

Conversions

Conversions Part 2

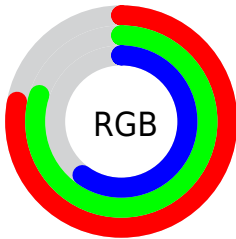
Format	Color
R _{YB}	153, 204, 158
Decimal	13094041
CIE Lab	80.53, -10.06, 24.91
CIE LCh	81, 26.867, 111.990
Yxy	57.6278, 0.3460, 0.3918
Android (android.graphics.Color)	4291284121 (0xFFC7CC99)
YUV	196.6910, -21.5397, 2.0250
Hunter-Lab	75.9130, -13.1725, 23.0088

Details

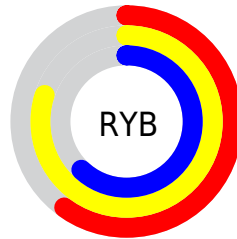
The XYZ color **50.8958, 57.6278, 38.5778** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.3932, 34.4128, 61.8543**, and the grayscale version is **53.0059, 55.7664, 60.7296**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **24.9817, 28.7917, 16.8111** is the 20% darker color. If you saturate the color by 10%, you get **48.8258, 56.7408, 30.4249**, and if you desaturate by 10%, it is **53.2639, 58.6388, 48.2508**.

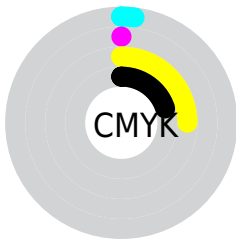
Distribution



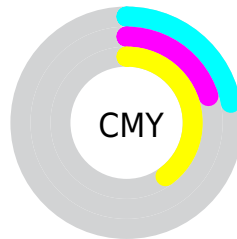
- Red (78%)
- Green (80%)
- Blue (60%)



- Red (60%)
- Yellow (80%)
- Blue (62%)



- Cyan (2%)
- Magenta (0%)
- Yellow (25%)
- Black (20%)





- Cyan (22%)
- Magenta (20%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8958, 57.6278, 38.5778 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 50.8958, 57.6278, 38.5778 by changing the saturation by 10% instead.


 50.8958, 57.6278,
38.5778


 50.8958, 57.6278,
38.5778


380.5531,
415.7976, 355.4643

 36.3464, 41.5095,
26.1261


 90.6846, 101.3807,
74.2061

 24.8732, 28.7174,
16.6914


 116.6548,
129.7840, 98.2198

 16.1108, 18.8671,
9.8551

147.1625,
163.0511, 126.9247

 9.6940, 11.5743,
5.1986

182.5733,
201.5665, 160.7392

 5.2572, 6.4545,
2.3035

223.2524,
245.7144, 200.0818

 2.4353, 3.1234,
0.7332

269.5651,

 0.8627, 1.1965,

295.8793, 245.3712

0.0000

321.8769,
352.4456, 297.0259

■ 0.0000, 0.0588,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.8958, 57.6278,
38.5778

■ 50.8958, 57.6278,
38.5778

■ 48.8258, 56.7408,
30.4249

■ 53.2639, 58.6388,
48.2508

■ 47.0347, 55.9642,
23.7111

■ 55.9393, 59.7715,
59.5117

■ 45.5080, 55.2942,
18.3538

■ 58.9363, 61.0337,
72.4291

■ 44.2282, 54.7237,
14.2604

■ 62.2668, 62.4301,
87.0661

■ 43.1755, 54.2448,
11.3266

■ 65.9415, 63.9650,
103.4787

■ 42.3268, 53.8484,
9.4317

■ 66.5115, 64.2589,
103.5054

■ 41.6543, 53.5232,
8.4284

■ 67.0888, 64.5565,
103.5324

■ 41.3578, 53.3768,
8.1230

■ 67.6732, 64.8578,
103.5598

■ 68.2647, 65.1627,
103.5875

Harmonies

Analogous

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



56.2653, 57.6278, 37.2102



50.8958, 57.6278, 38.5778



46.8318, 57.6278, 45.8333

Triad

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



50.8958, 57.6278, 38.5778



48.4961, 57.6278, 89.8631



65.9663, 57.6278, 67.0770

Complementary

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



50.8958, 57.6278, 38.5778



36.3932, 34.4128, 61.8543

Split Complementary

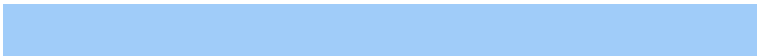
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.5659, 57.6278, 83.3806



50.8958, 57.6278, 38.5778



53.3083, 57.6278, 97.9035

Square

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



50.8958, 57.6278, 38.5778



45.5125, 57.6278, 74.8268



58.8433, 57.6278, 95.3508



65.2126, 57.6278, 52.0425

Rectangle

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



50.8958, 57.6278, 38.5778



45.2901, 57.6278, 53.8130



58.8433, 57.6278, 95.3508



65.4961, 57.6278, 72.6185

Sweetspot

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



50.8973, 57.6304, 38.5790



91.2050, 98.3773, 92.4763



42.7529, 39.3375, 35.4774



19.3752, 20.9948, 19.1756



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.



50.8973, 57.6304, 38.5790



82.3780, 94.6183, 56.3046



44.8561, 54.5160, 38.2963



12.0411, 13.0386, 11.9615



26.0738, 33.6168, 5.1145



1.3773, 1.7508, 0.2654

Inverse Universe

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



36.3932, 34.4128, 61.8543



54.3215, 49.7001, 101.3378



41.7612, 37.1801, 62.1055



10.7022, 10.8958, 14.1094



7.0783, 2.8565, 36.1346



0.4009, 0.1658, 1.8658

Previews

White Background



This preview shows how the XYZ color 50.8958, 57.6278, 38.5778 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 50.8958, 57.6278, 38.5778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

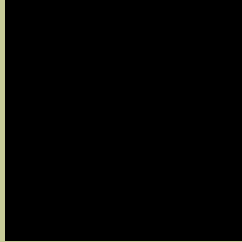
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

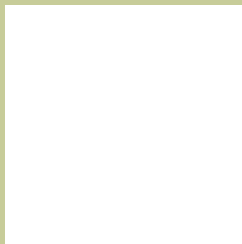
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8958, 57.6278, 38.5778

Background



This preview shows how black text looks on a background with the XYZ color 50.8958, 57.6278, 38.5778.



This preview shows how white text looks on a background with the XYZ color 50.8958, 57.6278,

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

50.8958, 57.6278, 38.5778

Protanopia

53.7409, 57.3774, 37.5206

Deuteranopia

58.7821, 57.5920, 39.4707



Tritanopia

57.3557, 57.4987, 70.3627

Trichromacy



Original Color

50.8958, 57.6278, 38.5778

Protanomaly

52.8486, 57.5956, 38.0374

Deuteranomaly

55.4751, 57.2186, 39.1308

Tritanomaly

54.7292, 57.4458, 57.4938

Monochromacy



Original Color

50.8958, 57.6278, 38.5778

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.2835, 56.6505, 51.8951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8958, 57.6278, 38.5778 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(199, 204, 153)` looks like.

```
.text, #text, p{  
    color:rgb(199, 204, 153)  
}
```

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(199, 204, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 204, 153) }
```

Border

The CSS property to change the border of an element to XYZ 50.8958, 57.6278, 38.5778 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(199, 204, 153) }
```


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

```
.border{ border-color:rgb(199, 204, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 204, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 204, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 204, 153);  
box-shadow:4px 4px 4px 4px rgb(199, 204,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8958, 57.6278, 38.5778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 204, 153) }
```

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

```
.background{ background-color: rgb(199,  
204, 153) }
```

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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