

Converting Colors

XYZ(38.5799, 38.8752, 50.2700)

Have a look what the booklet for
XYZ(38.5799, 38.8752, 50.2700)
contains.

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Color

**XYZ(38.5799, 38.8752,
50.2700)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA5B7
RGB	170, 165, 183
RGB Percent	67%, 65%, 72%
CMY	0.3333, 0.3529, 0.2823
CMYK	0.07, 0.10, 0.00, 0.28
HSL	257°, 11%, 68%
HSV	257°, 10%, 72%
XYZ	38.5799, 38.8752, 50.2700
YIQ	168.5470, -2.7980, 6.6580

Conversions

Conversions Part 2

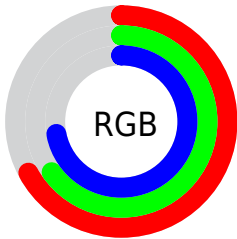
Format	Color
RYB	170, 165, 183
Decimal	11183543
CIELab	68.66, 5.29, -8.61
CIElCh	69, 10.106, 301.563
Yxy	38.8752, 0.3021, 0.3044
Android (android.graphics.Color)	4289373623 (0xFFAAA5B7)
YUV	168.5470, 7.1253, 1.2743
Hunter-Lab	62.3500, 1.3368, -4.1579

Details

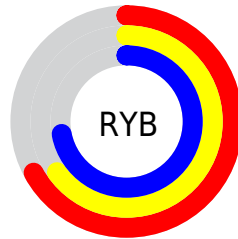
The XYZ color **38.5799, 38.8752, 50.2700** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.0866, 46.0496, 42.2695**, and the grayscale version is **37.4564, 39.4070, 42.9142**.

A 20% lighter version of the original color is **72.2245, 73.4259, 92.0273**, and **17.4056, 17.2735, 23.5358** is the 20% darker color. If you saturate the color by 10%, you get **32.7973, 31.3407, 49.1211**, and if you desaturate by 10%, it is **45.1244, 47.5058, 51.5915**.

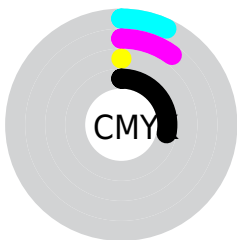
Distribution



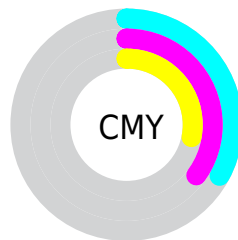
- Red (67%)
- Green (65%)
- Blue (72%)



- Red (67%)
- Yellow (65%)
- Blue (72%)



- Cyan (7%)
- Magenta (10%)
- Yellow (0%)
- Black (28%)



- Cyan (33%)
- Magenta (35%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5799, 38.8752, 50.2700 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 38.5799, 38.8752, 50.2700 by changing the saturation by 10% instead.

■ 38.5799, 38.8752,
50.2700

■ 38.5799, 38.8752,
50.2700

331.3391,
341.3596, 404.4861

■ 26.6123, 26.6627,
35.2553

■ 72.2943, 73.4476,
91.9752

■ 17.4174, 17.3200,
23.5745

■ 94.7718, 96.5763,
119.5028

■ 10.6296, 10.4629,
14.8090

121.4834,
124.1125, 152.0384

■ 5.8838, 5.7070,
8.5403

152.7943,
156.4405, 190.0006

■ 2.8146, 2.6677,
4.3499

189.0700,
193.9449, 233.8080

■ 1.0565, 0.9608,
1.8192

230.6758,

■ 0.0000, 0.0000,

237.0099, 283.8790

0.4406

277.9770,
286.0200, 340.6322

■ 0.0000, 0.0000,
0.0000

■ 38.5799, 38.8752,
50.2700

■ 38.5799, 38.8752,
50.2700

■ 32.7973, 31.3407,
49.1211

■ 45.1244, 47.5058,
51.5915

■ 27.7449, 24.8529,
48.1351

■ 52.4544, 57.2692,
53.0897

■ 23.3934, 19.3664,
47.3054

■ 60.5963, 68.2065,
54.7717

■ 19.7106, 14.8299,
46.6239

■ 69.5747, 80.3554,
56.6435

■ 16.6613, 11.1880,
46.0817

■ 78.9309, 92.7880,
58.5501

■ 14.2070, 8.3791,
45.6688

■ 83.4861, 95.1363,
58.7633

■ 12.3046, 6.3335,
45.3743

■ 85.5474, 96.1989,
58.8597

■ 10.9043, 4.9698,
45.1849

■ 9.9175, 4.1302,
45.0748

Harmonies

Analogous

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



37.0335, 38.8752, 51.7389



38.5799, 38.8752, 50.2700



39.7153, 38.8752, 46.6545

Triad

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



38.5799, 38.8752, 50.2700



38.4309, 38.8752, 35.0589



33.9653, 38.8752, 42.5687

Complementary

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



38.5799, 38.8752, 50.2700



42.0866, 46.0496, 42.2695

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.



34.3156, 38.8752, 38.2785



38.5799, 38.8752, 50.2700



36.8661, 38.8752, 34.1345

Square

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



38.5799, 38.8752, 50.2700



39.6275, 38.8752, 37.8915



35.3661, 38.8752, 35.2708



34.3953, 38.8752, 47.0990

Rectangle

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



38.5799, 38.8752, 50.2700



40.0702, 38.8752, 43.6316



35.3661, 38.8752, 35.2708



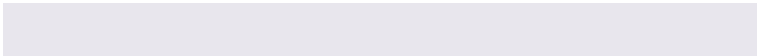
33.9956, 38.8752, 41.0516

Sweetspot

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



38.5810, 38.8768, 50.2709



76.8970, 79.8942, 91.6039



40.0258, 43.3399, 51.0562



16.7722, 17.3663, 20.1896



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



38.5810, 38.8768, 50.2709



66.5277, 66.2627, 89.5193



40.5478, 39.8908, 50.3629



8.7490, 8.8370, 11.3240



6.9670, 2.9028, 31.4462



0.3077, 0.1343, 1.1115

Inverse Universe

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



41.0208, 40.1936, 47.7176



71.8777, 69.1513, 83.8696



40.1314, 45.0417, 42.1780



9.2717, 9.1190, 10.7780



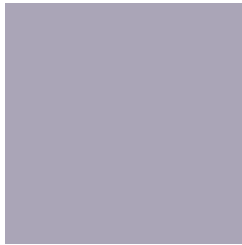
16.5680, 8.2010, 16.1437



0.6089, 0.2990, 0.6997

Previews

White Background



This preview shows how the XYZ color 38.5799, 38.8752, 50.2700 looks on a white background.

Color Contrast Check

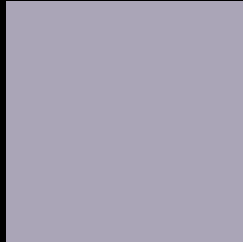
Large Text (above 18pt) WCAG AA × Fail

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 38.5799, 38.8752, 50.2700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

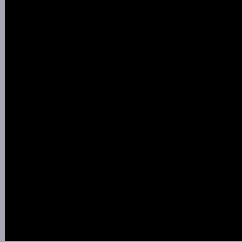
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5799, 38.8752, 50.2700

Background



This preview shows how black text looks on a background with the XYZ color 38.5799, 38.8752, 50.2700.



This preview shows how white text looks on a background with the XYZ color 38.5799, 38.8752,

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

38.5799, 38.8752, 50.2700

Protanopia

38.0138, 38.8401, 50.8407

Deuteranopia

39.5489, 38.8434, 50.2128



Tritanopia

38.1351, 38.9621, 48.1583

Trichromacy



Original Color

38.5799, 38.8752, 50.2700

Protanomaly

38.2243, 38.9486, 50.8506

Deuteranomaly

39.2783, 38.9685, 50.2512

Tritanomaly

38.2366, 39.0027, 48.6930

Monochromacy



Original Color

38.5799, 38.8752, 50.2700

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.0048, 39.4963, 45.6649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5799, 38.8752, 50.2700 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(170, 165, 183)` looks like.

```
.text, #text, p{  
    color:rgb(170, 165, 183)  
}
```

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(170, 165, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 165, 183) }
```

Border

The CSS property to change the border of an element to XYZ 38.5799, 38.8752, 50.2700 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(170, 165, 183) }
```


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

```
.border{ border-color:rgb(170, 165, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 165, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 165, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 165, 183);  
box-shadow:4px 4px 4px 4px rgb(170, 165,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5799, 38.8752, 50.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 165, 183) }
```

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

```
.background{ background-color: rgb(170,  
165, 183) }
```

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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