

Converting Colors

XYZ(38.8469, 37.3025, 58.4688)

Have a look what the booklet for
XYZ(38.8469, 37.3025, 58.4688)
contains.

XYZ(38.7396, 37.1983, 58.5643)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.7396, 37.1983,
58.5643)**

Conversions

Conversions Part 1

Format	Color
Hex	A89FC6
RGB	168, 159, 198
RGB Percent	66%, 62%, 78%
CMY	0.3412, 0.3765, 0.2235
CMYK	0.15, 0.20, 0.00, 0.22
HSL	254°, 25%, 70%
HSV	254°, 20%, 78%
XYZ	38.7396, 37.1983, 58.5643
YIQ	166.1370, -7.1550, 14.0370

Conversions

Conversions Part 2

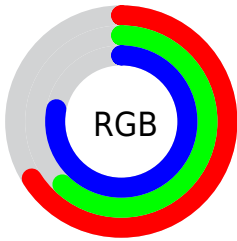
Format	Color
R_{YB}	168, 159, 198
Decimal	11050950
CIE _{Lab}	67.43, 11.12, -18.81
CIE _{LCh}	67, 21.856, 300.595
Yxy	37.1983, 0.2880, 0.2766
Android (android.graphics.Color)	4289241030 (0xFFA89FC6)
YUV	166.1370, 15.7085, 1.6339
Hunter-Lab	60.9904, 6.6456, -14.2382

Details

The XYZ color **38.7396, 37.1983, 58.5643** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.4397, 53.7112, 40.6695**, and the grayscale version is **36.2416, 38.1290, 41.5224**.

A 20% lighter version of the original color is **72.5280, 71.0011, 104.4897**, and **17.5991, 16.4517, 28.6335** is the 20% darker color. If you saturate the color by 10%, you get **32.5488, 29.3515, 57.3766**, and if you desaturate by 10%, it is **45.8579, 46.3348, 59.9532**.

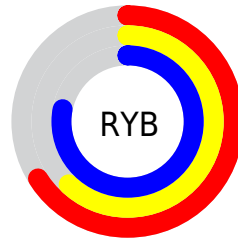
Distribution



Red (66%)

Green (62%)

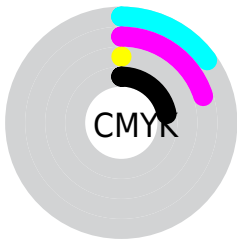
Blue (78%)



Red (66%)

Yellow (62%)

Blue (78%)

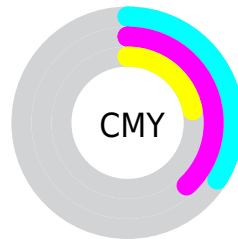


Cyan (15%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (34%)

Magenta (38%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7396, 37.1983, 58.5643 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 38.7396, 37.1983, 58.5643 by changing the saturation by 10% instead.

■ 38.7396, 37.1983,
58.5643

■ 38.7396, 37.1983,
58.5643

332.0084,
334.1683, 436.9422

■ 26.7370, 25.3611,
41.8448

■ 72.5370, 70.8777,
104.2670

■ 17.5114, 16.3463,
28.6551

■ 95.0625, 93.4886,
134.0873

■ 10.6973, 9.7695,
18.5767

121.8263,
120.4595, 169.1116

■ 5.9295, 5.2464,
11.1911

153.1939,
152.1749, 209.7585

■ 2.8425, 2.3926,
6.0798

189.5305,
189.0190, 256.4464

■ 1.0710, 0.8221,
2.8241

231.2016,

■ 0.0007, 0.0000,

231.3764, 309.5940

1.0055

278.5724,
279.6313, 369.6198

■ 0.0000, 0.0000,
0.0000

■ 38.7396, 37.1983,
58.5643

■ 38.7396, 37.1983,
58.5643

■ 32.5488, 29.3515,
57.3766

■ 45.8579, 46.3348,
59.9532

■ 27.2432, 22.7312,
56.3784

■ 53.9370, 56.8111,
61.5496

■ 22.7820, 17.2757,
55.5605

■ 63.0125, 68.6804,
63.3622

■ 19.1199, 12.9163,
54.9121

■ 73.1172, 81.9914,
65.3989

■ 16.2073, 9.5766,
54.4210

■ 83.3167, 94.8589,
67.3450

■ 13.9882, 7.1703,
54.0734

■ 87.1932, 96.8573,
67.5265

■ 12.3985, 5.5962,
53.8534

■ 11.3332, 4.6747,
53.7317

■ 11.3058, 4.6508,
53.7285

Harmonies

Analogous

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



35.4229, 37.1983, 61.9115



38.7396, 37.1983, 58.5643



41.2747, 37.1983, 50.2604

Triad

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



38.7396, 37.1983, 58.5643



38.6164, 37.1983, 26.4535



29.2934, 37.1983, 40.6948

Complementary

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



38.7396, 37.1983, 58.5643



47.4397, 53.7112, 40.6695

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.



30.0318, 37.1983, 32.0973



38.7396, 37.1983, 58.5643



35.2889, 37.1983, 24.7038

Square

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



38.7396, 37.1983, 58.5643



41.2004, 37.1983, 31.8136



32.1751, 37.1983, 26.5982



30.0919, 37.1983, 50.6452

Rectangle

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



38.7396, 37.1983, 58.5643



42.1049, 37.1983, 43.5950



32.1751, 37.1983, 26.5982



29.3696, 37.1983, 37.5600

Sweetspot

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



38.7408, 37.1998, 58.5651



86.1635, 88.4594, 107.1408



42.8085, 48.0815, 60.4511



18.2438, 18.6767, 22.8934



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.



38.7408, 37.1998, 58.5651



63.2875, 59.1131, 102.6821



43.0737, 39.4335, 58.7679



10.2819, 10.4036, 13.3837



7.4155, 3.0571, 34.9436



0.4170, 0.1787, 1.6577

Inverse Universe

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



44.8734, 40.4777, 53.5937



76.3464, 66.0982, 91.8587



43.0417, 51.4439, 40.4637



10.9744, 10.7731, 12.8483



18.8818, 9.3023, 20.3851



0.9204, 0.4510, 1.1037

Previews

White Background



This preview shows how the XYZ color 38.7396, 37.1983, 58.5643 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 38.7396, 37.1983, 58.5643 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 38.7396, 37.1983, 58.5643

Background



This preview shows how black text looks on a background with the XYZ color 38.7396, 37.1983, 58.5643.



This preview shows how white text looks on a background with the XYZ color 38.7396, 37.1983,

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

38.7396, 37.1983, 58.5643

Protanopia

37.2328, 37.4324, 59.9064

Deuteranopia

38.2478, 37.4595, 58.6406



Tritanopia

36.2435, 37.2215, 46.3485

Trichromacy



Original Color

38.7396, 37.1983, 58.5643

Protanomaly

37.7263, 37.4378, 59.2706

Deuteranomaly

38.2809, 37.2182, 58.5923

Tritanomaly

37.0891, 37.3007, 50.5923

Monochromacy



Original Color

38.7396, 37.1983, 58.5643

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.0694, 37.6242, 47.4279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7396, 37.1983, 58.5643 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(168, 159, 198)` looks like.

```
.text, #text, p{  
    color:rgb(168, 159, 198)  
}
```

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(168, 159, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 159, 198) }
```

Border

The CSS property to change the border of an element to XYZ 38.7396, 37.1983, 58.5643 is called "border". The border property can be set on classes, ids or directly on the HTML element.

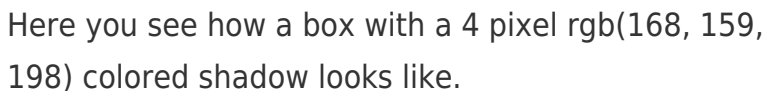
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 159, 198) }
```


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

```
.border{ border-color:rgb(168, 159, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 159, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 159, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 159, 198); box-shadow:4px 4px 4px 4px rgb(168, 159, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7396, 37.1983, 58.5643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 159, 198) }
```

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

```
.background{ background-color: rgb(168,  
159, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor