

Converting Colors

XYZ(38.7664, 40.7494, 57.9234)

Have a look what the booklet for
XYZ(38.7664, 40.7494, 57.9234)
contains.

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Color

**XYZ(38.8169, 40.7597,
58.0461)**

Conversions

Conversions Part 1

Format	Color
Hex	9EACC4
RGB	158, 172, 196
RGB Percent	62%, 67%, 77%
CMY	0.3804, 0.3255, 0.2314
CMYK	0.19, 0.12, 0.00, 0.23
HSL	218°, 24%, 69%
HSV	218°, 19%, 77%
XYZ	38.8169, 40.7597, 58.0461
YIQ	170.5500, -16.0480, 4.4960

Conversions

Conversions Part 2

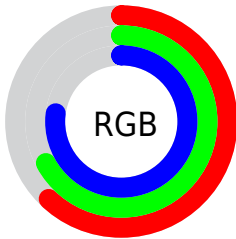
Format	Color
RYB	158, 168, 196
Decimal	10398916
CIELab	70.01, 0.24, -13.88
CIELCh	70, 13.883, 271.000
Yxy	40.7597, 0.2821, 0.2962
Android (android.graphics.Color)	4288588996 (0xFF9EACC4)
YUV	170.5500, 12.5469, -11.0063
Hunter-Lab	63.8433, -3.1974, -9.2159

Details

The XYZ color **38.8169, 40.7597, 58.0461** is a light color, and the websafe version is hex **999999**. A complement of this color would be **45.6648, 47.6603, 39.1413**, and the grayscale version is **38.4291, 40.4304, 44.0287**.

A 20% lighter version of the original color is **72.6393, 76.1762, 103.8035**, and **17.5428, 18.4501, 28.2278** is the 20% darker color. If you saturate the color by 10%, you get **33.0178, 34.4353, 57.1317**, and if you desaturate by 10%, it is **45.4528, 47.8434, 59.0643**.

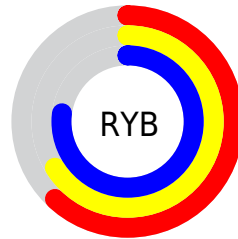
Distribution



Red (62%)

Green (67%)

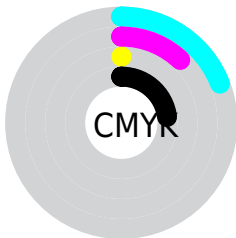
Blue (77%)



Red (62%)

Yellow (66%)

Blue (77%)

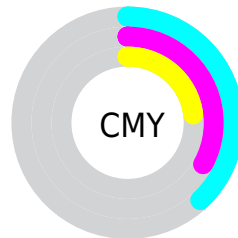


Cyan (19%)

Magenta (12%)

Yellow (0%)

Black (23%)



Cyan (38%)

Magenta (33%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8169, 40.7597, 58.0461 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 38.8169, 40.7597, 58.0461 by changing the saturation by 10% instead.

■ 38.8169, 40.7597,
58.0461

■ 38.8169, 40.7597,
58.0461

332.3320,
349.3153, 434.9607

■ 26.7974, 28.1314,
41.4308

■ 72.6544, 76.3190,
103.5054

■ 17.5569, 18.4247,
28.3336

■ 95.2031, 100.0187,
133.1865

■ 10.7301, 11.2553,
18.3361

121.9922,
128.1777, 168.0599

■ 5.9516, 6.2388,
11.0196

153.3871,
161.1803, 208.5442

■ 2.8561, 2.9909,
5.9657

189.7532,
199.4110, 255.0579

■ 1.0781, 1.1270,
2.7558

231.4558,

■ 0.0067, 0.0008,

243.2541, 308.0195

0.9713

278.8603,
293.0941, 367.8476

■ 0.0000, 0.0000,
0.0000

■ 38.8169, 40.7597,
58.0461

■ 38.8169, 40.7597,
58.0461

■ 33.0178, 34.4353,
57.1317

■ 45.4528, 47.8434,
59.0643

■ 28.0168, 28.8381,
56.3149

■ 52.9546, 55.7067,
60.1867

■ 23.7774, 23.9412,
55.5931

■ 61.3548, 64.3756,
61.4172

■ 20.2587, 19.7139,
54.9626

■ 70.6826, 73.8731,
62.7588

■ 17.4157, 16.1227,
54.4193

■ 80.5965, 84.0307,
64.1969

■ 15.1977, 13.1308,
53.9587

■ 84.2424, 91.3225,
65.4122

■ 13.5457, 10.6963,
53.5759

■ 86.9639, 96.7656,
66.3194

■ 12.3602, 8.7558,
53.2638

■ 12.2956, 8.6490,
53.2466

Harmonies

Analogous

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



36.6689, 40.7597, 56.1993



38.8169, 40.7597, 58.0461



41.0260, 40.7597, 55.9450

Triad

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



38.8169, 40.7597, 58.0461



42.5925, 40.7597, 38.2651



35.0576, 40.7597, 38.6076

Complementary

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



38.8169, 40.7597, 58.0461



45.6648, 47.6603, 39.1413

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.



36.5422, 40.7597, 34.5306



38.8169, 40.7597, 58.0461



40.8894, 40.7597, 34.3468

Square

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



38.8169, 40.7597, 58.0461



43.2575, 40.7597, 44.1631



38.6649, 40.7597, 33.0478



34.5501, 40.7597, 44.5983

Rectangle

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



38.8169, 40.7597, 58.0461



42.2226, 40.7597, 52.6958



38.6649, 40.7597, 33.0478



35.4560, 40.7597, 36.9893

Sweetspot

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



38.8181, 40.7614, 58.0470



86.6381, 91.2021, 107.6452



42.2263, 50.1038, 51.3958



18.3558, 19.3229, 23.0122



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.



38.8181, 40.7614, 58.0470



65.9674, 69.1253, 104.4734



37.1800, 36.1671, 57.2466



9.8255, 10.3423, 12.7632



7.9762, 5.7089, 34.2382



0.4107, 0.3788, 1.5014

Inverse Universe

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



42.4392, 39.1691, 44.3552



73.7088, 65.9579, 75.1492



47.5409, 53.0992, 40.0922



10.2232, 10.1379, 11.2659



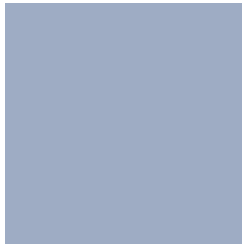
15.4220, 7.8586, 4.8683



0.6997, 0.3529, 0.3860

Previews

White Background



This preview shows how the XYZ color 38.8169, 40.7597, 58.0461 looks on a white background.

Color Contrast Check

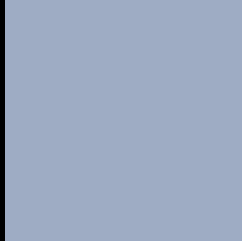
Large Text (above 18pt) WCAG AA × Fail

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 38.8169, 40.7597, 58.0461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

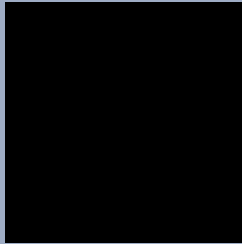
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8169, 40.7597, 58.0461

Background



This preview shows how black text looks on a background with the XYZ color 38.8169, 40.7597, 58.0461.

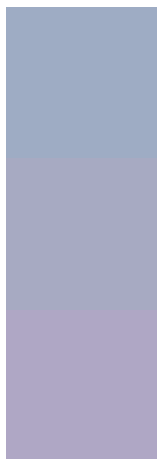


This preview shows how white text looks on a background with the XYZ color 38.8169, 40.7597,

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

38.8169, 40.7597, 58.0461

Protanopia

40.0487, 40.8600, 56.8149

Deuteranopia

41.5760, 40.7826, 58.5039



Tritanopia

37.6235, 40.5429, 52.8563

Trichromacy



Original Color

38.8169, 40.7597, 58.0461

Protanomaly

39.7231, 40.9585, 57.4419

Deuteranomaly

40.6282, 40.8422, 58.5653

Tritanomaly

38.1425, 40.7729, 54.5748

Monochromacy



Original Color

38.8169, 40.7597, 58.0461

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.5270, 40.5281, 48.9721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8169, 40.7597, 58.0461 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(158, 172, 196)` looks like.

```
.text, #text, p{  
    color:rgb(158, 172, 196)  
}
```

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(158, 172, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 172, 196) }
```

Border

The CSS property to change the border of an element to XYZ 38.8169, 40.7597, 58.0461 is called "border". The border property can be set on classes, ids or directly on the HTML element.

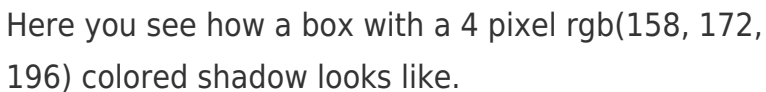
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 172, 196) }
```


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

```
.border{ border-color:rgb(158, 172, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 172, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 172, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 172, 196); box-shadow:4px 4px 4px 4px rgb(158, 172, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8169, 40.7597, 58.0461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 172, 196) }
```

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

```
.background{ background-color: rgb(158,  
172, 196) }
```

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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