

Converting Colors

XYZ(39.8777, 40.4684, 57.9340)

Have a look what the booklet for
XYZ(39.8777, 40.4684, 57.9340)
contains.

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Color

**XYZ(39.8777, 40.4684,
57.9340)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A9C4
RGB	166, 169, 196
RGB Percent	65%, 66%, 77%
CMY	0.3490, 0.3372, 0.2314
CMYK	0.15, 0.14, 0.00, 0.23
HSL	234°, 20%, 71%
HSV	234°, 15%, 77%
XYZ	39.8777, 40.4684, 57.9340
YIQ	171.1810, -10.4550, 7.7610

Conversions

Conversions Part 2

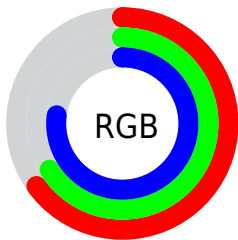
Format	Color
RYB	166, 169, 196
Decimal	10922436
CIELab	69.80, 4.48, -14.13
CIElCh	70, 14.822, 287.579
Yxy	40.4684, 0.2884, 0.2927
Android (android.graphics.Color)	4289112516 (0xFFA6A9C4)
YUV	171.1810, 12.2358, -4.5437
Hunter-Lab	63.6148, 0.5690, -9.4651

Details

The XYZ color **39.8777, 40.4684, 57.9340** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.7183, 52.6290, 43.6682**, and the grayscale version is **38.7448, 40.7626, 44.3904**.

A 20% lighter version of the original color is **74.2041, 75.7753, 103.6436**, and **18.1832, 18.2530, 28.1560** is the 20% darker color. If you saturate the color by 10%, you get **33.0150, 32.3842, 56.7359**, and if you desaturate by 10%, it is **47.8118, 49.7642, 59.3107**.

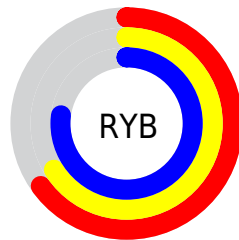
Distribution



Red (65%)

Green (66%)

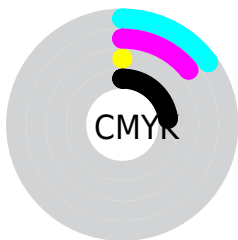
Blue (77%)



Red (65%)

Yellow (66%)

Blue (77%)

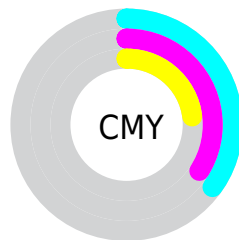


Cyan (15%)

Magenta (14%)

Yellow (0%)

Black (23%)



Cyan (35%)

Magenta (34%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8777, 40.4684, 57.9340 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 39.8777, 40.4684, 57.9340 by changing the saturation by 10% instead.

■ 39.8777, 40.4684,
57.9340

■ 39.8777, 40.4684,
57.9340

336.7511,
348.0939, 434.5313

■ 27.6270, 27.9039,
41.3412

■ 74.2628, 75.8762,
103.3406

■ 18.1837, 18.2533,
28.2641

■ 97.1278, 99.4884,
132.9915

■ 11.1824, 11.1320,
18.2841

124.2617,
127.5520, 167.8321

■ 6.2579, 6.1557,
10.9826

156.0298,
160.4513, 208.2812

■ 3.0447, 2.9400,
5.9411

192.7974,
198.5707, 254.7570

■ 1.1774, 1.1005,
2.7411

234.9299,

■ 0.0884, 0.0000,

242.2947, 307.6783

0.9640

282.7927,
292.0076, 367.4636

■ 0.0000, 0.0000,
0.0000

■ 39.8777, 40.4684,
57.9340

■ 39.8777, 40.4684,
57.9340

■ 33.0150, 32.3842,
56.7359

■ 47.8118, 49.7642,
59.3107

■ 27.1740, 25.4567,
55.7067

■ 56.8566, 60.3134,
60.8702

■ 22.3070, 19.6345,
54.8394

■ 67.0541, 72.1621,
62.6198

■ 18.3605, 14.8601,
54.1258

■ 78.4429, 85.3524,
64.5655

■ 15.2761, 11.0709,
53.5570

■ 86.9639, 96.7656,
66.3194

■ 12.9887, 8.1975,
53.1229

■ 11.4237, 6.1613,
52.8124

■ 10.4918, 4.8703,
52.6123

■ 10.2073, 4.4722,
52.5505

Harmonies

Analogous

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



37.4778, 40.4684, 58.3050



39.8777, 40.4684, 57.9340



41.9800, 40.4684, 53.6154

Triad

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



39.8777, 40.4684, 57.9340



41.6688, 40.4684, 34.9912



34.1220, 40.4684, 41.2752

Complementary

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



39.8777, 40.4684, 57.9340



48.7183, 52.6290, 43.6682

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.



35.1500, 40.4684, 35.7188



39.8777, 40.4684, 57.9340



39.4674, 40.4684, 32.3528

Square

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



39.8777, 40.4684, 57.9340



43.0434, 40.4684, 40.1829



37.0841, 40.4684, 32.6045



34.2215, 40.4684, 48.1856

Rectangle

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



39.8777, 40.4684, 57.9340



42.8994, 40.4684, 49.3105



37.0841, 40.4684, 32.6045



34.3453, 40.4684, 39.2020

Sweetspot

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



39.8789, 40.4701, 57.9349



86.9619, 90.5577, 107.5037



45.0366, 51.4156, 57.7114



18.3791, 19.1092, 22.9697



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.



39.8789, 40.4701, 57.9349



68.3415, 68.7274, 104.2715



41.8466, 40.6650, 57.8688



9.6076, 9.9065, 12.6906



6.5886, 2.9336, 33.7756



0.3126, 0.1826, 1.4687

Inverse Universe

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



43.5637, 41.8739, 43.3243



76.1633, 71.7493, 73.2472



46.5109, 52.4860, 43.7569



10.1132, 10.0939, 10.6868



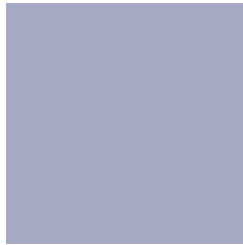
14.7216, 7.5784, 1.1799



0.6502, 0.3331, 0.1253

Previews

White Background



This preview shows how the XYZ color 39.8777, 40.4684, 57.9340 looks on a white background.

Color Contrast Check

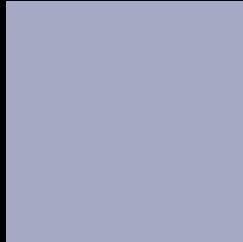
Large Text (above 18pt) WCAG AA × Fail

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 39.8777, 40.4684, 57.9340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

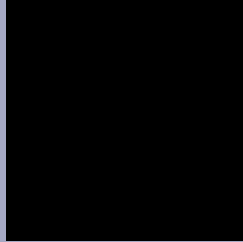
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8777, 40.4684, 57.9340

Background



This preview shows how black text looks on a background with the XYZ color 39.8777, 40.4684, 57.9340.



This preview shows how white text looks on a background with the XYZ color 39.8777, 40.4684,

57.9340.

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

39.8777, 40.4684, 57.9340

Protanopia

39.8777, 40.4684, 57.9340

Deuteranopia

41.3935, 40.4176, 58.4430



Tritanopia

38.6297, 40.5211, 51.6843

Trichromacy



Original Color

39.8777, 40.4684, 57.9340

Protanomaly

39.8777, 40.4684, 57.9340

Deuteranomaly

40.9100, 40.4393, 58.4727

Tritanomaly

39.0771, 40.4229, 53.8869

Monochromacy



Original Color

39.8777, 40.4684, 57.9340

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.9751, 40.4798, 48.9392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8777, 40.4684, 57.9340 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(166, 169, 196)` looks like.

```
.text, #text, p{  
    color:rgb(166, 169, 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(166, 169, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 169, 196) }
```

Border

The CSS property to change the border of an element to XYZ 39.8777, 40.4684, 57.9340 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(166, 169, 196) }
```


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

```
.border{ border-color:rgb(166, 169, 196) }
```

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

Here you see how a box with a 4 pixel rgb(166, 169, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 169, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 169, 196);  
box-shadow:4px 4px 4px 4px rgb(166, 169,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8777, 40.4684, 57.9340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 169, 196) }
```

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

```
.background{ background-color: rgb(166,  
169, 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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