

Converting Colors

XYZ(39.7408, 39.2311, 67.7390)

Have a look what the booklet for
XYZ(39.7408, 39.2311, 67.7390)
contains.

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Color

**XYZ(39.8180, 39.3968,
67.7931)**

Conversions

Conversions Part 1

Format	Color
Hex	9FA6D4
RGB	159, 166, 212
RGB Percent	62%, 65%, 83%
CMY	0.3765, 0.3490, 0.1686
CMYK	0.25, 0.22, 0.00, 0.17
HSL	232°, 38%, 73%
HSV	232°, 25%, 83%
XYZ	39.8180, 39.3968, 67.7931
YIQ	169.1510, -18.9380, 12.8220

Conversions

Conversions Part 2

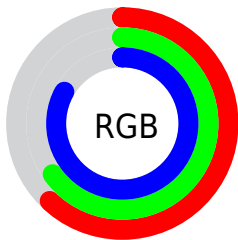
Format	Color
R _Y B	159, 165, 212
Decimal	10462932
CIE Lab	69.04, 7.58, -24.16
CIE LCh	69, 25.326, 287.423
Yxy	39.3968, 0.2709, 0.2680
Android (android.graphics.Color)	4288653012 (0xFF9FA6D4)
YUV	169.1510, 21.1246, -8.9024
Hunter-Lab	62.7669, 3.3947, -20.1010

Details

The XYZ color **39.8180, 39.3968, 67.7931** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.2414, 60.1635, 41.5034**, and the grayscale version is **37.6933, 39.6562, 43.1856**.

A 20% lighter version of the original color is **71.6380, 73.2290, 104.9666**, and **18.0470, 17.5331, 34.3313** is the 20% darker color. If you saturate the color by 10%, you get **32.8602, 31.1956, 66.5775**, and if you desaturate by 10%, it is **47.9778, 48.9299, 69.2038**.

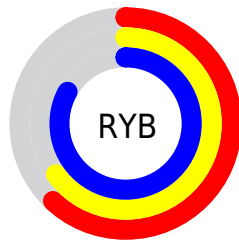
Distribution



Red (62%)

Green (65%)

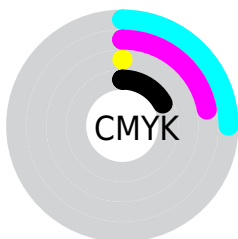
Blue (83%)



Red (62%)

Yellow (65%)

Blue (83%)

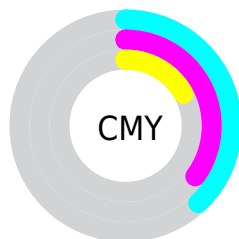


Cyan (25%)

Magenta (22%)

Yellow (0%)

Black (17%)



Cyan (38%)

Magenta (35%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8180, 39.3968, 67.7931 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 39.8180, 39.3968, 67.7931 by changing the saturation by 10% instead.

■ 39.8180, 39.3968,
67.7931

■ 39.8180, 39.3968,
67.7931

336.5035,
343.5746, 471.3407

■ 27.5802, 27.0686,
49.2638

■ 74.1724, 74.2441,
117.7075

■ 18.1483, 17.6247,
34.4617

■ 97.0197, 97.5319,
149.9297

■ 11.1569, 10.6809,
22.9683

124.1343,
125.2418, 187.5533

■ 6.2405, 5.8527,
14.3650

155.8815,
157.7580, 230.9968

■ 3.0339, 2.7557,
8.2333

192.6267,
195.4650, 280.6787

■ 1.1717, 1.0056,
4.1547

234.7352,

■ 0.0839, 0.0000,

238.7472, 337.0177

1.7106

282.5723,
287.9889, 400.4322

■ 0.0000, 0.0000,
0.3680

■ 0.0000, 0.0000,
0.0000

■ 39.8180, 39.3968,
67.7931

■ 39.8180, 39.3968,
67.7931

■ 32.8602, 31.1956,
66.5775

■ 47.9778, 48.9299,
69.2038

■ 27.0437, 24.2622,
65.5458

■ 57.3892, 59.8458,
70.8147

■ 22.3081, 18.5341,
64.6897

■ 68.1032, 72.1986,
72.6344

■ 18.5857, 13.9419,
63.9995

■ 80.1671, 86.0379,
74.6698

■ 15.8012, 10.4086,
63.4643

■ 88.8838, 97.5335,
76.4292

■ 13.8684, 7.8476,
63.0718

■ 12.6845, 6.1579,
62.8081

■ 12.2991, 5.5841,
62.7177

Harmonies

Analogous

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



35.7807, 39.3968, 68.4554



39.8180, 39.3968, 67.7931



43.4568, 39.3968, 59.7622

Triad

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



39.8180, 39.3968, 67.7931



42.9462, 39.3968, 28.5213



30.3693, 39.3968, 38.2359

Complementary

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



39.8180, 39.3968, 67.7931



55.2414, 60.1635, 41.5034

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.



32.0158, 39.3968, 29.5459



39.8180, 39.3968, 67.7931



39.1611, 39.3968, 24.6528

Square

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



39.8180, 39.3968, 67.7931



45.3500, 39.3968, 36.5787



35.1691, 39.3968, 24.9907



30.5173, 39.3968, 49.9027

Rectangle

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



39.8180, 39.3968, 67.7931



45.0794, 39.3968, 52.0090



35.1691, 39.3968, 24.9907



30.7260, 39.3968, 34.9157

Sweetspot

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



39.8193, 39.3984, 67.7940



84.0405, 87.2811, 107.0253



48.8540, 58.8633, 66.5031



17.7949, 18.4579, 22.8748



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.



39.8193, 39.3984, 67.7940



54.6377, 52.9696, 101.9522



42.7426, 39.0674, 67.5760



11.8735, 12.2705, 15.6802



7.6343, 3.5303, 38.7322



0.5046, 0.3013, 2.3509

Inverse Universe

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



46.4336, 41.5478, 41.6502



66.4025, 56.9571, 55.4134



51.6845, 60.8716, 41.8276



12.4894, 12.4472, 13.2513



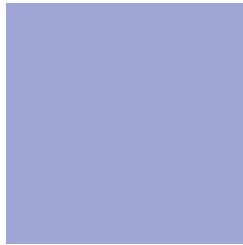
16.9123, 8.7012, 1.5762



1.0424, 0.5337, 0.2125

Previews

White Background



This preview shows how the XYZ color 39.8180, 39.3968, 67.7931 looks on a white background.

Color Contrast Check

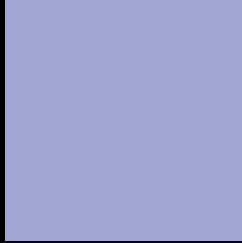
Large Text (above 18pt) WCAG AA × Fail

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 39.8180, 39.3968, 67.7931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

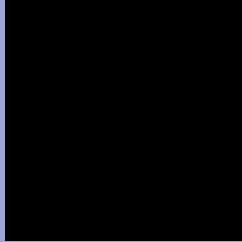
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8180, 39.3968, 67.7931

Background



This preview shows how black text looks on a background with the XYZ color 39.8180, 39.3968, 67.7931.



This preview shows how white text looks on a background with the XYZ color 39.8180, 39.3968,

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

39.8180, 39.3968, 67.7931

Protanopia

39.6070, 39.5590, 67.8355

Deuteranopia

40.2391, 39.3451, 67.7609



Tritanopia

36.6463, 39.4986, 51.5915

Trichromacy



Original Color

39.8180, 39.3968, 67.7931

Protanomaly

39.8029, 39.6600, 67.8447

Deuteranomaly

40.0367, 39.2408, 67.7514

Tritanomaly

37.7486, 39.3840, 57.2421

Monochromacy



Original Color

39.8180, 39.3968, 67.7931

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.2766, 39.5074, 51.5072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8180, 39.3968, 67.7931 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(159, 166, 212)` looks like.

```
.text, #text, p{  
    color:rgb(159, 166, 212)  
}
```

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(159, 166, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 166, 212) }
```

Border

The CSS property to change the border of an element to XYZ 39.8180, 39.3968, 67.7931 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(159, 166, 212) }
```


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

```
.border{ border-color:rgb(159, 166, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 166, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 166, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 166, 212);  
box-shadow:4px 4px 4px 4px rgb(159, 166,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8180, 39.3968, 67.7931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 166, 212) }
```

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

```
.background{ background-color: rgb(159,  
166, 212) }
```

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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