

Converting Colors

XYZ(38.9424, 41.1804,
100.5039)

Have a look what the booklet for
XYZ(38.9424, 41.1804, 100.5039)
contains.

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Color

**XYZ(38.8309, 40.9800,
100.4711)**

Conversions

Conversions Part 1

Format	Color
Hex	64B0FF
RGB	100, 176, 255
RGB Percent	39%, 69%, 100%
CMY	0.6078, 0.3098, 0.0000
CMYK	0.61, 0.31, 0.00, 0.00
HSL	211°, 100%, 70%
HSV	211°, 61%, 100%
XYZ	38.8309, 40.9800, 100.4711
YIQ	162.2820, -70.6550, 8.4570

Conversions

Conversions Part 2

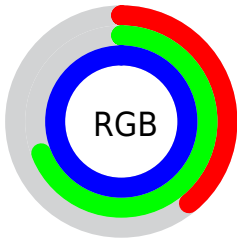
Format	Color
R _Y B	100, 151, 255
Decimal	6598911
CIE Lab	70.16, -0.38, -46.16
CIE LCh	70, 46.157, 269.529
Yxy	40.9800, 0.2154, 0.2273
Android (android.graphics.Color)	4284788991 (0xFF64B0FF)
YUV	162.2820, 45.7100, -54.6213
Hunter-Lab	64.0156, -3.7520, -48.2434

Details

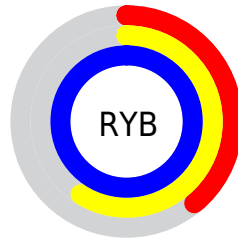
The XYZ color **38.8309, 40.9800, 100.4711** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **59.6620, 54.4230, 19.4189**, and the grayscale version is **34.2925, 36.0784, 39.2894**.

A 20% lighter version of the original color is **61.5262, 72.0532, 105.2726**, and **17.5977, 18.5941, 56.0876** is the 20% darker color. If you saturate the color by 10%, you get **34.0115, 34.8923, 99.5500**, and if you desaturate by 10%, it is **44.7793, 48.0133, 101.5151**.

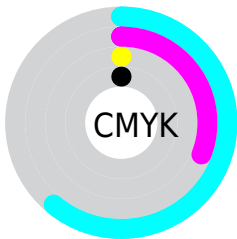
Distribution



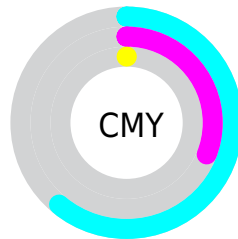
- Red (39%)
- Green (69%)
- Blue (100%)



- Red (39%)
- Yellow (59%)
- Blue (100%)



- Cyan (61%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8309, 40.9800, 100.4711 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 38.8309, 40.9800, 100.4711 by changing the saturation by 10% instead.

■ 38.8309, 40.9800,
100.4711

■ 38.8309, 40.9800,
100.4711

332.3906,
350.2370, 582.9616

■ 26.8083, 28.3035,
76.0750

■ 72.6756, 76.6535,
163.8619

■ 17.5652, 18.5545,
55.9869

■ 95.2285, 100.4193,
203.6937

■ 10.7361, 11.3488,
39.7885

■ 122.0223,
128.6503, 249.5078

■ 5.9556, 6.3020,
27.0612

153.4221,
161.7309, 301.7227

■ 2.8585, 3.0296,
17.3863

189.7936,
200.0454, 360.7570

■ 1.0794, 1.1472,
10.3455

231.5019,

■ 0.0078, 0.0179,

243.9784, 427.0292

5.5200

278.9124,
293.9141, 500.9579

■ 0.0000, 0.0000,
2.4915

■ 0.0000, 0.0000,
0.8356

■ 38.8309, 40.9800,
100.4711

■ 38.8309, 40.9800,
100.4711

■ 34.0115, 34.8923,
99.5500

■ 44.7793, 48.0133,
101.5151

■ 30.2247, 29.6884,
98.7452

■ 51.9338, 56.0395,
102.6872

■ 27.3623, 25.3026,
98.0495

■ 60.3685, 65.1071,
103.9929

■ 25.3873, 21.8945,
97.4958

■ 70.1503, 75.2595,
105.4370

■ 81.3409, 86.5371,
107.0240

■ 93.9982, 98.9783,
108.7582

■ 95.0500, 100.0000,
108.9000

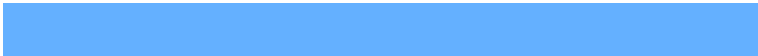
Harmonies

Analogous

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



32.0401, 40.9800, 90.9242



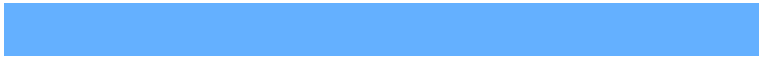
38.8309, 40.9800, 100.4711



46.5553, 40.9800, 91.4753

Triad

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



38.8309, 40.9800, 100.4711



53.0023, 40.9800, 27.1003



27.7263, 40.9800, 26.6774

Complementary

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



38.8309, 40.9800, 100.4711



59.6620, 54.4230, 19.4189

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.



32.2221, 40.9800, 17.3330



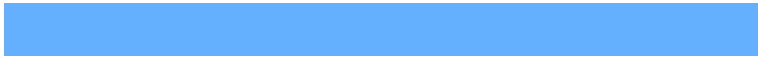
38.8309, 40.9800, 100.4711



46.7887, 40.9800, 17.5158

Square

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



38.8309, 40.9800, 100.4711



55.3520, 40.9800, 44.9633



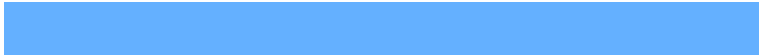
39.0699, 40.9800, 14.6136



26.1581, 40.9800, 44.2789

Rectangle

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



38.8309, 40.9800, 100.4711



51.0755, 40.9800, 77.4265



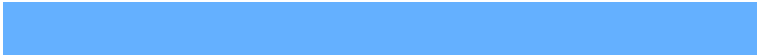
39.0699, 40.9800, 14.6136



28.9140, 40.9800, 22.7026

Sweetspot

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



38.8322, 40.9813, 100.4713



73.1184, 78.2811, 105.8638



49.0027, 77.4243, 54.2207



14.9862, 16.0791, 22.5637



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.



38.8322, 40.9813, 100.4713



33.0854, 33.6633, 99.3616



27.8645, 19.0458, 96.8153



17.7384, 18.8484, 22.9531



13.4139, 11.7374, 50.9931



1.4150, 1.3608, 5.0013

Inverse Universe

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



53.6347, 33.5107, 44.7168



49.7147, 28.0401, 36.1052



79.3007, 93.7003, 25.9651



18.3806, 18.1356, 20.6214



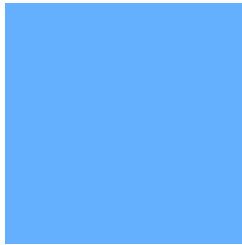
23.5589, 11.9129, 11.5937



2.3489, 1.1819, 1.4185

Previews

White Background



This preview shows how the XYZ color 38.8309, 40.9800, 100.4711 looks on a white background.

Color Contrast Check

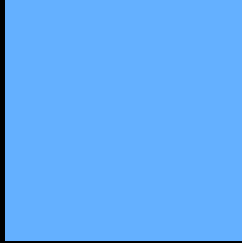
Large Text (above 18pt) WCAG AA × Fail

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 38.8309, 40.9800, 100.4711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

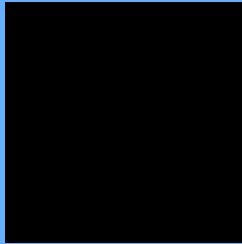
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

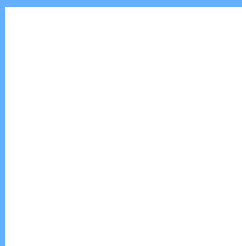
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8309, 40.9800, 100.4711

Background



This preview shows how black text looks on a background with the XYZ color 38.8309, 40.9800, 100.4711.



This preview shows how white text looks on a background with the XYZ color 38.8309, 40.9800,

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

38.8309, 40.9800, 100.4711

Protanopia

42.4475, 40.7119, 94.4279

Deuteranopia

41.9404, 40.8750, 100.2869



Tritanopia

31.0032, 40.8307, 61.5054

Trichromacy



Original Color

38.8309, 40.9800, 100.4711

Protanomaly

40.8776, 40.6800, 96.9643

Deuteranomaly

40.5483, 40.7181, 100.3300

Tritanomaly

33.4353, 40.5612, 74.4735

Monochromacy



Original Color

38.8309, 40.9800, 100.4711

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.4300, 37.1119, 57.5732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8309, 40.9800, 100.4711 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(100, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 176, 255)  
}
```

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(100, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.8309, 40.9800, 100.4711 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(100, 176, 255) }
```


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

```
.border{ border-color:rgb(100, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8309, 40.9800, 100.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 176, 255) }
```

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

```
.background{ background-color: rgb(100,  
176, 255) }
```

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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