

Converting Colors

XYZ(38.7772, 40.5403,
100.3890)

Have a look what the booklet for
XYZ(38.7772, 40.5403, 100.3890)
contains.

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Color

**XYZ(38.8595, 40.7047,
100.4164)**

Conversions

Conversions Part 1

Format	Color
Hex	66AFFF
RGB	102, 175, 255
RGB Percent	40%, 69%, 100%
CMY	0.6000, 0.3137, 0.0000
CMYK	0.60, 0.31, 0.00, 0.00
HSL	211°, 100%, 70%
HSV	211°, 60%, 100%
XYZ	38.8595, 40.7047, 100.4164
YIQ	162.2930, -69.1880, 9.4040

Conversions

Conversions Part 2

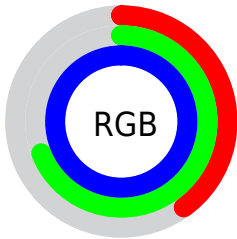
Format	Color
RYB	102, 151, 255
Decimal	6729727
CIELab	69.97, 0.54, -46.45
CIElCh	70, 46.457, 270.672
Yxy	40.7047, 0.2159, 0.2262
Android (android.graphics.Color)	4284919807 (0xFF66AFFF)
YUV	162.2930, 45.7046, -52.8770
Hunter-Lab	63.8002, -2.9295, -48.6575

Details

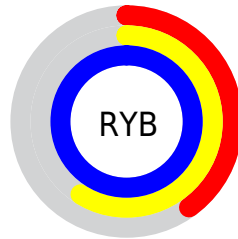
The XYZ color **38.8595, 40.7047, 100.4164** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **60.3680, 55.6781, 20.1378**, and the grayscale version is **34.2972, 36.0833, 39.2947**.

A 20% lighter version of the original color is **61.4511, 71.6002, 105.1891**, and **17.6069, 18.4137, 56.0523** is the 20% darker color. If you saturate the color by 10%, you get **33.9331, 34.5014, 99.4787**, and if you desaturate by 10%, it is **44.9334, 47.8813, 101.4815**.

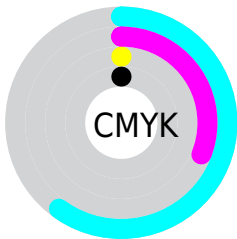
Distribution



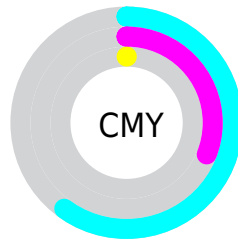
- Red (40%)
- Green (69%)
- Blue (100%)



- Red (40%)
- Yellow (59%)
- Blue (100%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8595, 40.7047, 100.4164 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 38.8595, 40.7047, 100.4164 by changing the saturation by 10% instead.

■ 38.8595, 40.7047,
100.4164

■ 38.8595, 40.7047,
100.4164

332.5102,
349.0849, 582.7849

■ 26.8307, 28.0884,
76.0295

■ 72.7191, 76.2354,
163.7862

■ 17.5820, 18.3923,
55.9499

■ 95.2805, 99.9186,
203.6061

■ 10.7482, 11.2320,
39.7590

■ 122.0836,
128.0596, 249.4075

■ 5.9638, 6.2231,
27.0384

153.4936,
161.0428, 301.6089

■ 2.8635, 2.9812,
17.3693

189.8759,
199.2525, 360.6288

■ 1.0820, 1.1219,
10.3334

231.5959,

■ 0.0100, 0.0000,

243.0731, 426.8857

5.5121

279.0189,
292.8892, 500.7983

■ 0.0000, 0.0000,
2.4868

■ 0.0000, 0.0000,
0.8332

■ 38.8595, 40.7047,
100.4164

■ 38.8595, 40.7047,
100.4164

■ 33.9331, 34.5014,
99.4787

■ 44.9334, 47.8813,
101.4815

■ 30.0581, 29.2090,
98.6614

■ 52.2316, 56.0793,
102.6792

■ 27.1277, 24.7614,
97.9574

■ 60.8283, 65.3478,
104.0151

■ 24.9688, 21.0575,
97.3562

■ 70.7904, 75.7310,
105.4942

■ 24.9682, 21.0564,
97.3561

■ 82.1799, 87.2703,
107.1212

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.



31.9899, 40.7047, 91.4859



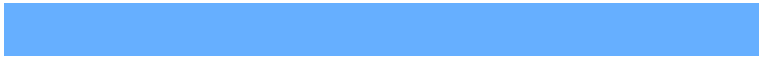
38.8595, 40.7047, 100.4164



46.5965, 40.7047, 90.6958

Triad

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



38.8595, 40.7047, 100.4164



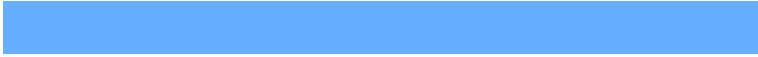
52.6024, 40.7047, 26.2795



27.3384, 40.7047, 26.8815

Complementary

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



38.8595, 40.7047, 100.4164



60.3680, 55.6781, 20.1378

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.



31.7302, 40.7047, 17.2710



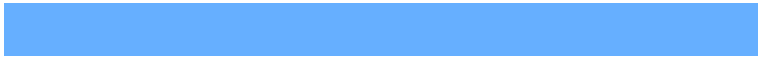
38.8595, 40.7047, 100.4164



46.2627, 40.7047, 17.0116

Square

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



38.8595, 40.7047, 100.4164



55.1393, 40.7047, 43.8336



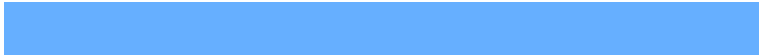
38.5182, 40.7047, 14.3449



25.8860, 40.7047, 44.8110

Rectangle

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



38.8595, 40.7047, 100.4164



51.0714, 40.7047, 76.3257



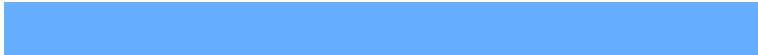
38.5182, 40.7047, 14.3449



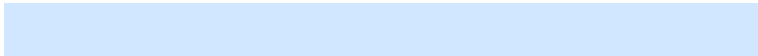
28.4889, 40.7047, 22.8081

Sweetspot

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



38.8609, 40.7060, 100.4166



72.9485, 77.9413, 105.8071



49.5865, 77.6837, 56.1262



14.9448, 15.9964, 22.5499



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.



38.8609, 40.7060, 100.4166



33.0756, 33.3700, 99.3055



28.5762, 19.7010, 96.9043



17.7179, 18.8075, 22.9463



13.1937, 11.2971, 50.9198



1.3932, 1.3171, 4.9941

Inverse Universe

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



53.7303, 33.8597, 44.2622



49.7765, 28.3206, 35.6425



78.4668, 93.2591, 26.4378



18.3703, 18.1314, 20.5670



23.4478, 11.8684, 11.0085



2.3378, 1.1775, 1.3604

Previews

White Background



This preview shows how the XYZ color 38.8595, 40.7047, 100.4164 looks on a white background.

Color Contrast Check

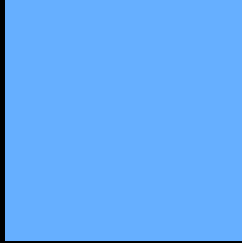
Large Text (above 18pt) WCAG AA × Fail

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 38.8595, 40.7047, 100.4164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

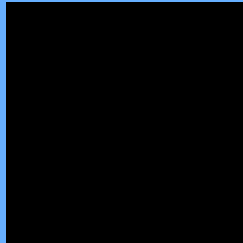
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

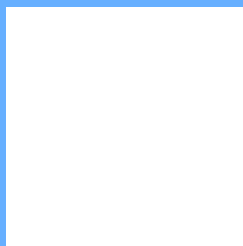
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8595, 40.7047, 100.4164

Background



This preview shows how black text looks on a background with the XYZ color 38.8595, 40.7047, 100.4164.

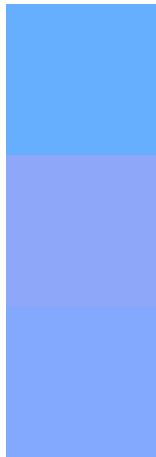


This preview shows how white text looks on a background with the XYZ color 38.8595, 40.7047,

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

38.8595, 40.7047, 100.4164

Protanopia

42.2453, 40.3166, 95.1779

Deuteranopia

41.5980, 40.4212, 100.2174



Tritanopia

31.2434, 40.9546, 61.5167

Trichromacy



Original Color

38.8595, 40.7047, 100.4164

Protanomaly

40.6894, 40.3037, 96.9016

Deuteranomaly

40.3586, 40.3389, 100.2668

Tritanomaly

33.7096, 40.7026, 74.4863

Monochromacy



Original Color

38.8595, 40.7047, 100.4164

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.5977, 37.1984, 57.5811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8595, 40.7047, 100.4164 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(102, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 175, 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(102, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.8595, 40.7047, 100.4164 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(102, 175, 255) }
```


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

```
.border{ border-color:rgb(102, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 175,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8595, 40.7047, 100.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 175, 255) }
```

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

```
.background{ background-color: rgb(102,  
175, 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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