

Converting Colors

XYZ(38.2064, 39.2294,
100.1661)

Have a look what the booklet for
XYZ(38.2064, 39.2294, 100.1661)
contains.

| | |
|--|----|
| XYZ(38.2064, 39.2294, 100.1661) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(38.2064, 39.2294,
100.1661)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 67ABFF |
| RGB | 103, 171, 255 |
| RGB Percent | 40%, 67%, 100% |
| CMY | 0.5960, 0.3294, 0.0000 |
| CMYK | 0.60, 0.33, 0.00, 0.00 |
| HSL | 213°, 100%, 70% |
| HSV | 213°, 60%, 100% |
| XYZ | 38.2064, 39.2294, 100.1661 |
| YIQ | 160.2440, -67.4920, 11.7080 |

Conversions

Conversions Part 2

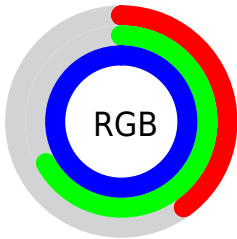
| Format | Color |
|-------------------------------------|--|
| RYB | 103, 150, 255 |
| Decimal | 6794239 |
| CIELab | 68.92, 2.99, -48.10 |
| CIELCh | 69, 48.197, 273.552 |
| Yxy | 39.2294, 0.2151, 0.2209 |
| Android (android.graphics.Color) | 4284984319 (0xFF67ABFF) |
| YUV | 160.2440, 46.7147, -50.2030 |
| Hunter-Lab | 62.6334, -0.7233, -50.9759 |

Details

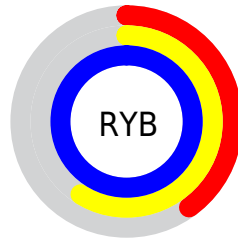
The XYZ color **38.2064, 39.2294, 100.1661** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **61.4600, 57.7823, 20.7477**, and the grayscale version is **33.3411, 35.0775, 38.1994**.

A 20% lighter version of the original color is **60.5562, 69.5052, 104.8319**, and **17.1908, 17.4775, 55.8935** is the 20% darker color. If you saturate the color by 10%, you get **33.1934, 32.9024, 99.2091**, and if you desaturate by 10%, it is **44.3974, 46.5862, 101.2598**.

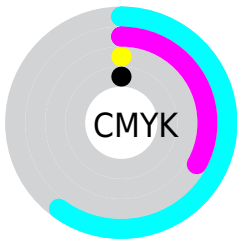
Distribution



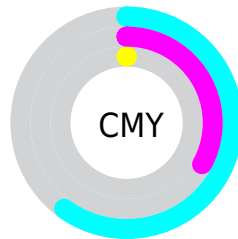
- Red (40%)
- Green (67%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2064, 39.2294, 100.1661 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 38.2064, 39.2294, 100.1661 by changing the saturation by 10% instead.

■ 38.2064, 39.2294,
100.1661

■ 38.2064, 39.2294,
100.1661

329.7701,
342.8648, 581.9763

■ 26.3209, 26.9382,
75.8216

■ 71.7262, 73.9886,
163.4393

■ 17.1978, 17.5268,
55.7805

■ 94.0913, 97.2255,
203.2051

■ 10.4718, 10.6108,
39.6241

■ 120.6802,
124.8797, 248.9483

■ 5.7775, 5.8058,
26.9340

151.8583,
157.3356, 301.0877

■ 2.7496, 2.7274,
17.2917

187.9910,
194.9777, 360.0416

■ 1.0228, 0.9911,
10.2785

229.4436,

■ 0.0000, 0.0000,

238.1904, 426.2287

5.4760

276.5815,
287.3579, 500.0674

■ 0.0000, 0.0000,
2.4656

■ 0.0000, 0.0000,
0.8218

■ 38.2064, 39.2294,
100.1661

■ 38.2064, 39.2294,
100.1661

■ 33.1934, 32.9024,
99.2091

■ 44.3974, 46.5862,
101.2598

■ 29.2616, 27.5404,
98.3813

■ 51.8443, 55.0238,
102.4959

■ 26.3032, 23.0745,
97.6752

■ 60.6225, 64.5935,
103.8804

■ 24.1515, 19.4043,
97.0802

■ 70.7998, 75.3421,
105.4187

■ 24.0759, 19.2717,
97.0586

■ 82.4392, 87.3129,
107.1158

95.0500, 100.0000,
108.9000

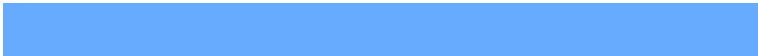
Harmonies

Analogous

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



31.1033, 39.2294, 92.7093



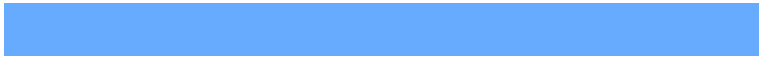
38.2064, 39.2294, 100.1661



46.0341, 39.2294, 88.3968

Triad

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



38.2064, 39.2294, 100.1661



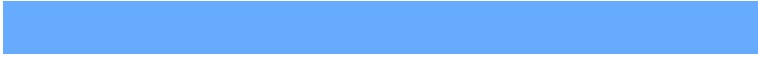
50.9581, 39.2294, 23.3840



25.5922, 39.2294, 26.5460

Complementary

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



38.2064, 39.2294, 100.1661



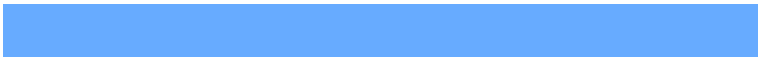
61.4600, 57.7823, 20.7477

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.



29.7236, 39.2294, 16.3214



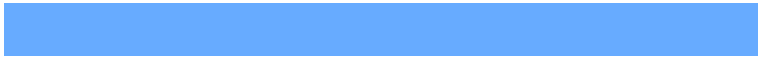
38.2064, 39.2294, 100.1661



44.2389, 39.2294, 14.9835

Square

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



38.2064, 39.2294, 100.1661



54.0044, 39.2294, 40.1536



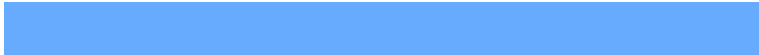
36.3812, 39.2294, 12.9295



24.4326, 39.2294, 45.3813

Rectangle

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



38.2064, 39.2294, 100.1661



50.4341, 39.2294, 72.9964



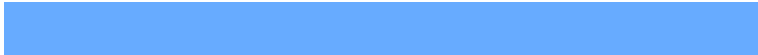
36.3812, 39.2294, 12.9295



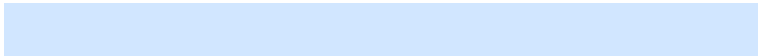
26.6487, 39.2294, 22.2346

Sweetspot

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



38.2077, 39.2307, 100.1663



72.5678, 77.1798, 105.6802



50.2816, 77.9749, 59.1919



14.8523, 15.8114, 22.5191



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.



38.2077, 39.2307, 100.1663



32.1569, 31.5326, 98.9993



29.4072, 20.2761, 96.9715



17.6720, 18.7156, 22.9310



12.7240, 10.3576, 50.7632



1.3460, 1.2227, 4.9783

Inverse Universe

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



53.4419, 33.9023, 42.2563



49.3128, 28.1351, 33.2006



76.7077, 92.3465, 26.6157



18.3471, 18.1222, 20.4450



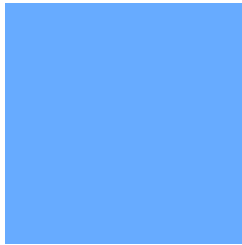
23.2107, 11.7736, 9.7600



2.3140, 1.1680, 1.2349

Previews

White Background



This preview shows how the XYZ color 38.2064, 39.2294, 100.1661 looks on a white background.

Color Contrast Check

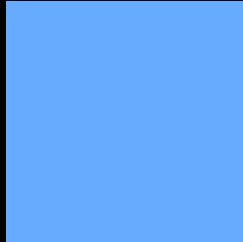
Large Text (above 18pt) WCAG AA × Fail

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 38.2064, 39.2294, 100.1661 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

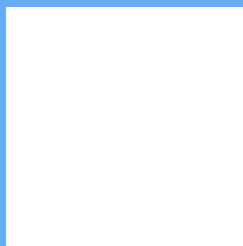
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2064, 39.2294, 100.1661

Background



This preview shows how black text looks on a background with the XYZ color 38.2064, 39.2294, 100.1661.



This preview shows how white text looks on a background with the XYZ color 38.2064, 39.2294,

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

38.2064, 39.2294, 100.1661

Protanopia

40.8556, 38.7937, 94.9572

Deuteranopia

40.1809, 39.1425, 100.0452



Tritanopia

29.9479, 39.1068, 58.7933

Trichromacy



Original Color

38.2064, 39.2294, 100.1661

Protanomaly

39.6888, 38.9624, 96.6955

Deuteranomaly

39.2551, 38.9383, 100.0546

Tritanomaly

32.5058, 38.9290, 72.1305

Monochromacy



Original Color

38.2064, 39.2294, 100.1661

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.7732, 35.9800, 56.7946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2064, 39.2294, 100.1661 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(103, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 171, 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(103, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.2064, 39.2294, 100.1661 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(103, 171, 255) }
```


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

```
.border{ border-color:rgb(103, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2064, 39.2294, 100.1661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 171, 255) }
```

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

```
.background{ background-color: rgb(103,  
171, 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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