

Converting Colors

XYZ(39.1697, 41.6239,
100.5775)

Have a look what the booklet for
XYZ(39.1697, 41.6239, 100.5775)
contains.

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Color

**XYZ(39.2259, 41.7701,
100.6028)**

Conversions

Conversions Part 1

Format	Color
Hex	64B2FF
RGB	100, 178, 255
RGB Percent	39%, 70%, 100%
CMY	0.6078, 0.3020, 0.0000
CMYK	0.61, 0.30, 0.00, 0.00
HSL	210°, 100%, 70%
HSV	210°, 61%, 100%
XYZ	39.2259, 41.7701, 100.6028
YIQ	163.4560, -71.2050, 7.4110

Conversions

Conversions Part 2

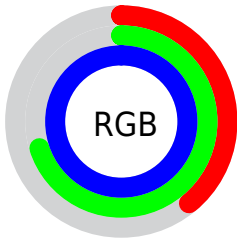
Format	Color
RYB	100, 152, 255
Decimal	6599423
CIELab	70.71, -1.50, -45.29
CIELCh	71, 45.317, 268.106
Yxy	41.7701, 0.2160, 0.2300
Android (android.graphics.Color)	4284789503 (0xFF64B2FF)
YUV	163.4560, 45.1312, -55.6509
Hunter-Lab	64.6298, -4.7647, -47.0500

Details

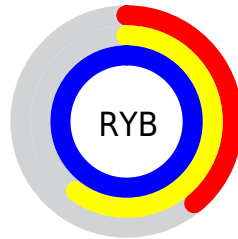
The XYZ color **39.2259, 41.7701, 100.6028** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **59.2639, 53.6268, 19.2861**, and the grayscale version is **34.8471, 36.6619, 39.9248**.

A 20% lighter version of the original color is **62.0892, 73.1792, 105.4603**, and **17.8509, 19.1005, 56.1720** is the 20% darker color. If you saturate the color by 10%, you get **34.4288, 35.7271, 99.6892**, and if you desaturate by 10%, it is **45.1408, 48.7363, 101.6356**.

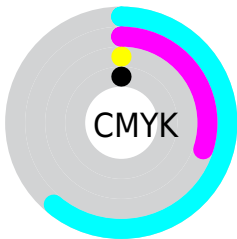
Distribution



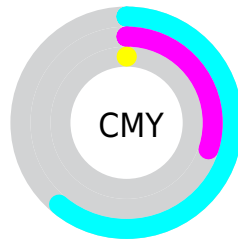
- Red (39%)
- Green (70%)
- Blue (100%)



- Red (39%)
- Yellow (60%)
- Blue (100%)



- Cyan (61%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2259, 41.7701, 100.6028 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 39.2259, 41.7701, 100.6028 by changing the saturation by 10% instead.

■ 39.2259, 41.7701,
100.6028

■ 39.2259, 41.7701,
100.6028

334.0406,
353.5290, 583.3868

■ 27.1170, 28.9213,
76.1844

■ 73.2752, 77.8516,
164.0444

■ 17.7982, 19.0213,
56.0761

■ 95.9462, 101.8530,
203.9047

■ 10.9040, 11.6857,
39.8596

■ 122.8688,
130.3409, 249.7493

■ 6.0691, 6.5300,
27.1161

154.4081,
163.6994, 301.9968

■ 2.9282, 3.1700,
17.4272

190.9296,
202.3131, 361.0658

■ 1.1159, 1.2211,
10.3744

232.7986,

■ 0.0384, 0.0788,

246.5664, 427.3748

5.5391

280.3805,
296.8435, 501.3422

■ 0.0000, 0.0000,
2.5027

■ 0.0000, 0.0000,
0.8416

■ 39.2259, 41.7701,
100.6028

■ 39.2259, 41.7701,
100.6028

■ 34.4288, 35.7271,
99.6892

■ 45.1408, 48.7363,
101.6356

■ 30.6537, 30.5465,
98.8882

■ 52.2499, 56.6719,
102.7927

■ 27.7929, 26.1639,
98.1930

■ 60.6271, 65.6244,
104.0791

■ 25.8110, 22.7419,
97.6370

■ 70.3386, 75.6362,
105.4998

■ 81.4458, 86.7471,
107.0590

■ 94.0060, 98.9943,
108.7609

■ 95.0500, 100.0000,
108.9000

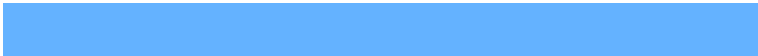
Harmonies

Analogous

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



32.5497, 41.7701, 90.4064



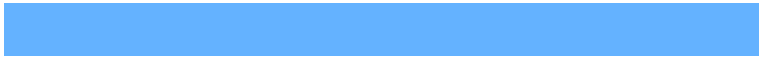
39.2259, 41.7701, 100.6028



46.9004, 41.7701, 92.5844

Triad

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



39.2259, 41.7701, 100.6028



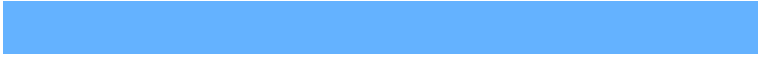
53.8501, 41.7701, 28.6465



28.6593, 41.7701, 26.9420

Complementary

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



39.2259, 41.7701, 100.6028



59.2639, 53.6268, 19.2861

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.



33.2792, 41.7701, 17.8845



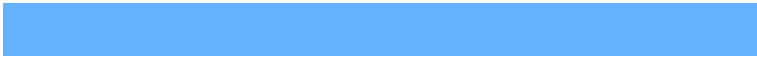
39.2259, 41.7701, 100.6028



47.8303, 41.7701, 18.6281

Square

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



39.2259, 41.7701, 100.6028



55.9539, 41.7701, 46.8610



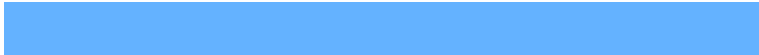
40.1804, 41.7701, 15.4033



26.9465, 41.7701, 44.1274

Rectangle

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



39.2259, 41.7701, 100.6028



51.4502, 41.7701, 79.0642



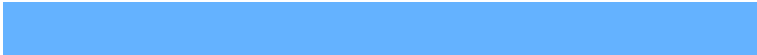
40.1804, 41.7701, 15.4033



29.8926, 41.7701, 23.0765

Sweetspot

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



39.2273, 41.7715, 100.6029



73.2851, 78.6144, 105.9193



48.7465, 77.3218, 52.8720



15.0267, 16.1602, 22.5772



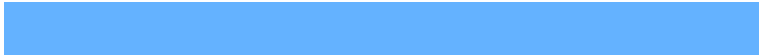
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.2273, 41.7715, 100.6029



33.5064, 34.5052, 99.5019



28.1161, 19.5491, 96.8992



17.7584, 18.8884, 22.9598



13.6363, 12.1822, 51.0673



1.4370, 1.4047, 5.0087

Inverse Universe

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



53.8340, 33.5903, 45.7669



49.9271, 28.1251, 37.2241



78.4821, 92.0631, 25.6921



18.3907, 18.1396, 20.6746



23.6712, 11.9578, 12.1848



2.3599, 1.1863, 1.4768

Previews

White Background



This preview shows how the XYZ color 39.2259, 41.7701, 100.6028 looks on a white background.

Color Contrast Check

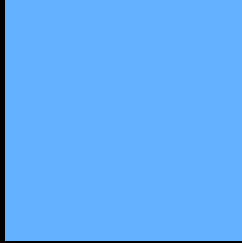
Large Text (above 18pt) WCAG AA × Fail

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 39.2259, 41.7701, 100.6028 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

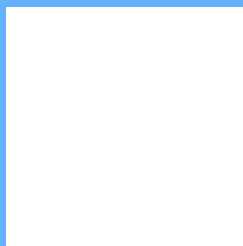
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.2259, 41.7701, 100.6028

Background



This preview shows how black text looks on a background with the XYZ color 39.2259, 41.7701, 100.6028.



This preview shows how white text looks on a background with the XYZ color 39.2259, 41.7701,

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

39.2259, 41.7701, 100.6028

Protanopia

43.1639, 41.3563, 94.5145

Deuteranopia

42.6046, 41.4967, 100.3719



Tritanopia

31.7432, 41.8147, 62.8979

Trichromacy



Original Color

39.2259, 41.7701, 100.6028

Protanomaly

41.3710, 41.2159, 97.0418

Deuteranomaly

41.2121, 41.6297, 100.4710

Tritanomaly

34.0716, 41.4862, 75.3191

Monochromacy



Original Color

39.2259, 41.7701, 100.6028

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.7817, 37.5662, 57.6424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2259, 41.7701, 100.6028 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, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 178, 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, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.2259, 41.7701, 100.6028 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, 178, 255) }
```


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

```
.border{ border-color:rgb(100, 178, 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, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2259, 41.7701, 100.6028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 178, 255) }
```

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

```
.background{ background-color: rgb(100,  
178, 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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