

Converting Colors

XYZ(38.1059, 40.0295,
100.3258)

Have a look what the booklet for
XYZ(38.1059, 40.0295, 100.3258)
contains.

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Color

**XYZ(38.1158, 40.0335,
100.3261)**

Conversions

Conversions Part 1

Format	Color
Hex	61AEFF
RGB	97, 174, 255
RGB Percent	38%, 68%, 100%
CMY	0.6196, 0.3176, 0.0000
CMYK	0.62, 0.32, 0.00, 0.00
HSL	211°, 100%, 69%
HSV	211°, 62%, 100%
XYZ	38.1158, 40.0335, 100.3261
YIQ	160.2110, -71.8930, 8.8670

Conversions

Conversions Part 2

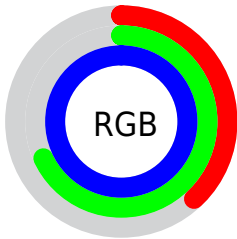
Format	Color
R _Y B	97, 149, 255
Decimal	6401791
CIE Lab	69.49, 0.21, -47.21
CIE LCh	69, 47.215, 270.255
Yxy	40.0335, 0.2136, 0.2243
Android (android.graphics.Color)	4284591871 (0xFF61AEFF)
YUV	160.2110, 46.7310, -55.4360
Hunter-Lab	63.2720, -3.1956, -49.7216

Details

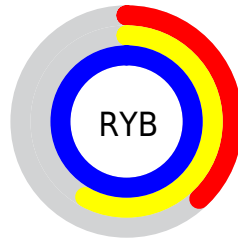
The XYZ color **38.1158, 40.0335, 100.3261** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **59.3196, 53.9664, 18.6013**, and the grayscale version is **33.3274, 35.0631, 38.1837**.

A 20% lighter version of the original color is **60.3674, 70.6296, 105.0589**, and **17.1651, 18.0027, 55.9963** is the 20% darker color. If you saturate the color by 10%, you get **33.4185, 34.0439, 99.4175**, and if you desaturate by 10%, it is **43.9345, 46.9674, 101.3578**.

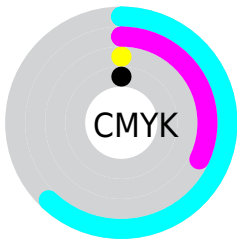
Distribution



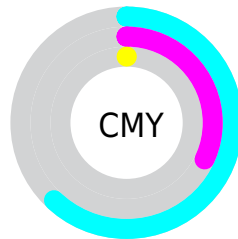
- Red (38%)
- Green (68%)
- Blue (100%)



- Red (38%)
- Yellow (58%)
- Blue (100%)



- Cyan (62%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1158, 40.0335, 100.3261 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 38.1158, 40.0335, 100.3261 by changing the saturation by 10% instead.

■ 38.1158, 40.0335,
100.3261

■ 38.1158, 40.0335,
100.3261

329.3887,
346.2647, 582.4933

■ 26.2502, 27.5647,
75.9545

■ 71.5883, 75.2145,
163.6610

■ 17.1446, 17.9978,
55.8888

■ 93.9260, 98.6955,
203.4614

■ 10.4336, 10.9484,
39.7104

■ 120.4851,
126.6160, 249.2419

■ 5.7518, 6.0321,
27.0007

■ 151.6309,
159.3604, 301.4209

■ 2.7340, 2.8646,
17.3413

187.7288,
197.3130, 360.4170

■ 1.0147, 1.0615,
10.3136

229.1442,

■ 0.0000, 0.0000,

240.8584, 426.6487

5.4991

276.2424,
290.3808, 500.5346

■ 0.0000, 0.0000,
2.4791

■ 0.0000, 0.0000,
0.8291

■ 38.1158, 40.0335,
100.3261

■ 38.1158, 40.0335,
100.3261

■ 33.4185, 34.0439,
99.4175

■ 43.9345, 46.9674,
101.3578

■ 29.7444, 28.9357,
98.6252

■ 50.9529, 54.8940,
102.5178

■ 26.9827, 24.6415,
97.9419

■ 59.2462, 63.8623,
103.8118

■ 25.2914, 21.7028,
97.4638

■ 68.8819, 73.9163,
105.2446

■ 79.9225, 85.0972,
106.8208

■ 92.4263, 97.4436,
108.5448

■ 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.



31.2457, 40.0335, 91.0103



38.1158, 40.0335, 100.3261



45.9059, 40.0335, 90.7059

Triad

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



38.1158, 40.0335, 100.3261



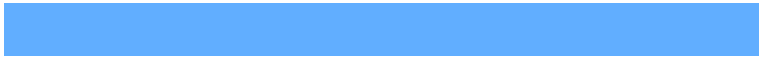
52.1341, 40.0335, 25.7076



26.7121, 40.0335, 25.9354

Complementary

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



38.1158, 40.0335, 100.3261



59.3196, 53.9664, 18.6013

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.



31.1469, 40.0335, 16.4955



38.1158, 40.0335, 100.3261



45.7782, 40.0335, 16.3981

Square

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



38.1158, 40.0335, 100.3261



54.6303, 40.0335, 43.4034



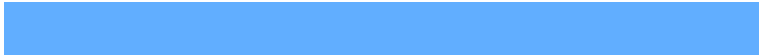
37.9856, 40.0335, 13.6871



25.2188, 40.0335, 43.7764

Rectangle

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



38.1158, 40.0335, 100.3261



50.4407, 40.0335, 76.2305



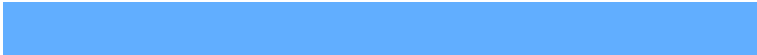
37.9856, 40.0335, 13.6871



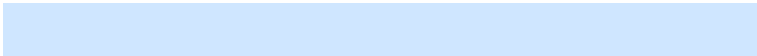
27.8763, 40.0335, 21.9186

Sweetspot

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



38.1171, 40.0348, 100.3262



71.9982, 77.1040, 105.6956



48.5275, 77.1966, 53.4192



14.7651, 15.8432, 22.5298



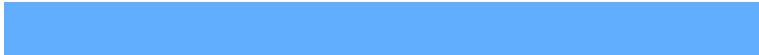
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.1171, 40.0348, 100.3262



32.5881, 32.9309, 99.2465



27.2561, 18.3128, 96.7059



17.7338, 18.8391, 22.9516



13.3636, 11.6368, 50.9764



1.4101, 1.3508, 4.9997

Inverse Universe

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



53.1557, 32.8670, 43.5879



49.3997, 27.6691, 35.2018



79.1581, 93.6432, 25.2142



18.3783, 18.1346, 20.6091



23.5335, 11.9027, 11.4599



2.3463, 1.1809, 1.4052

Previews

White Background



This preview shows how the XYZ color 38.1158, 40.0335, 100.3261 looks on a white background.

Color Contrast Check

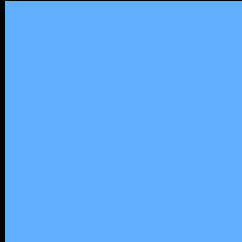
Large Text (above 18pt) WCAG AA × Fail

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 38.1158, 40.0335, 100.3261 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

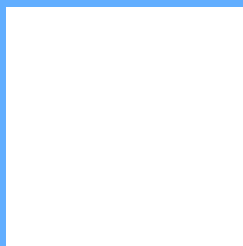
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1158, 40.0335, 100.3261

Background



This preview shows how black text looks on a background with the XYZ color 38.1158, 40.0335, 100.3261.

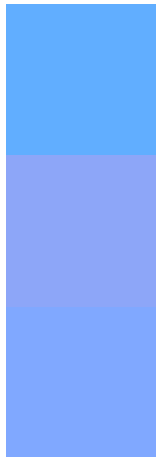


This preview shows how white text looks on a background with the XYZ color 38.1158, 40.0335,

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

38.1158, 40.0335, 100.3261

Protanopia

41.5640, 39.7125, 94.2816

Deuteranopia

40.9547, 39.8145, 100.1342



Tritanopia

30.3001, 40.1701, 60.8002

Trichromacy



Original Color

38.1158, 40.0335, 100.3261

Protanomaly

40.0580, 39.7009, 96.8186

Deuteranomaly

39.7608, 39.7514, 100.1849

Tritanomaly

32.7504, 39.9205, 73.6894

Monochromacy



Original Color

38.1158, 40.0335, 100.3261

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.6220, 36.1688, 56.8390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1158, 40.0335, 100.3261 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(97, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 174, 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(97, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.1158, 40.0335, 100.3261 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(97, 174, 255) }
```


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

```
.border{ border-color:rgb(97, 174, 255) }
```

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

Here you see how a box with a 4 pixel rgb(97, 174, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 174,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1158, 40.0335, 100.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 174, 255) }
```

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

```
.background{ background-color: rgb(97, 174,  
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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