

Converting Colors

XYZ(38.8844, 46.7039,
101.9124)

Have a look what the booklet for
XYZ(38.8844, 46.7039, 101.9124)
contains.

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Color

**XYZ(38.7580, 46.5336,
101.5469)**

Conversions

Conversions Part 1

Format	Color
Hex	34C2FF
RGB	52, 194, 255
RGB Percent	20%, 76%, 100%
CMY	0.7960, 0.2392, 0.0000
CMYK	0.80, 0.24, 0.00, 0.00
HSL	198°, 100%, 60%
HSV	198°, 80%, 100%
XYZ	38.7580, 46.5336, 101.5469
YIQ	158.4960, -104.2130, -11.1330

Conversions

Conversions Part 2

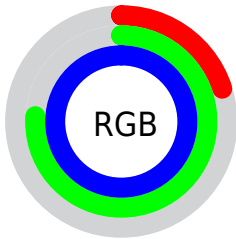
Format	Color
R _Y B	52, 136, 255
Decimal	3457791
CIE Lab	73.89, -16.68, -40.42
CIE LCh	74, 43.728, 247.572
Yxy	46.5336, 0.2074, 0.2491
Android (android.graphics.Color)	4281647871 (0xFF34C2FF)
YUV	158.4960, 47.5765, -93.3970
Hunter-Lab	68.2155, -17.9589, -40.5093

Details

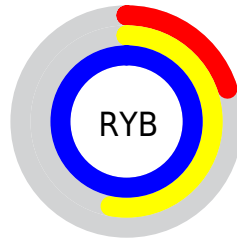
The XYZ color **38.7580, 46.5336, 101.5469** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.7674, 33.3223, 7.1654**, and the grayscale version is **32.5521, 34.2474, 37.2954**.

A 20% lighter version of the original color is **61.2889, 80.2583, 106.8689**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **36.1198, 42.7074, 100.9474**, and if you desaturate by 10%, it is **42.1947, 50.9036, 102.2092**.

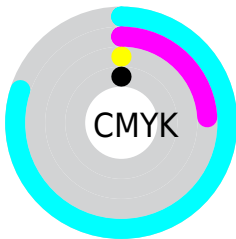
Distribution



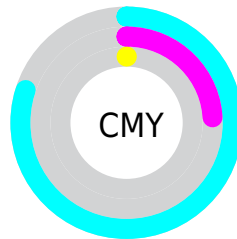
- Red (20%)
- Green (76%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7580, 46.5336, 101.5469 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 38.7580, 46.5336, 101.5469 by changing the saturation by 10% instead.

■ 38.7580, 46.5336,
101.5469

■ 38.7580, 46.5336,
101.5469

332.0854,
372.9498, 586.4299

■ 26.7514, 32.6671,
76.9690

■ 72.5649, 85.0170,
165.3517

■ 17.5222, 21.8715,
56.7160

■ 95.0959, 110.4027,
205.4157

■ 10.7051, 13.7625,
40.3694

■ 121.8658,
140.3969, 251.4788

■ 5.9347, 7.9557,
27.5107

■ 153.2399,
175.3841, 303.9596

■ 2.8457, 4.0666,
17.7213

189.5836,
215.7486, 363.2765

■ 1.0727, 1.7109,
10.5827

231.2621,

■ 0.0021, 0.4307,

261.8747, 429.8482

5.6764

278.6410,
314.1470, 504.0931

■ 0.0000, 0.0000,
2.5837

■ 0.0000, 0.0000,
0.8840

■ 38.7580, 46.5336,
101.5469

■ 38.7580, 46.5336,
101.5469

■ 36.1198, 42.7074,
100.9474

■ 42.1947, 50.9036,
102.2092

■ 34.1180, 39.3371,
100.4023

■ 46.5269, 55.8669,
102.9389

■ 34.0440, 39.2081,
100.3813

■ 51.8411, 61.4708,
103.7405

■ 58.2120, 67.7557,
104.6178

■ 65.7068, 74.7578,
105.5743

■ 74.3866, 82.5106,
106.6133

■ 84.3080, 91.0448,
107.7376

■ 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.



33.3900, 46.5336, 81.5739



38.7580, 46.5336, 101.5469



46.2314, 46.5336, 106.1780

Triad

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



38.7580, 46.5336, 101.5469



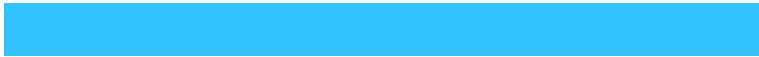
60.7955, 46.5336, 45.2238



35.7119, 46.5336, 23.7106

Complementary

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



38.7580, 46.5336, 101.5469



47.7674, 33.3223, 7.1654

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.



42.2849, 46.5336, 18.9364



38.7580, 46.5336, 101.5469



57.1909, 46.5336, 28.7580

Square

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



38.7580, 46.5336, 101.5469



59.5649, 46.5336, 68.8541



50.1916, 46.5336, 20.4649



31.7807, 46.5336, 36.0030

Rectangle

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



38.7580, 46.5336, 101.5469



51.5283, 46.5336, 98.9834



50.1916, 46.5336, 20.4649



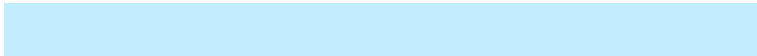
37.6534, 46.5336, 21.3665

Sweetspot

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



38.7595, 46.5351, 101.5471



70.4179, 79.0049, 106.1458



40.1530, 73.4409, 27.6566



14.4214, 16.3260, 22.6411



0.0000, 0.0000, 0.0000



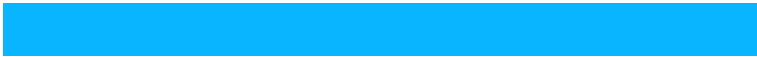
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7595, 46.5351, 101.5471



34.7901, 40.5107, 100.5935



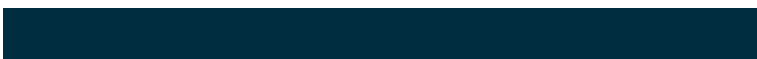
23.3479, 15.7120, 96.4099



18.0670, 19.5056, 23.0627



17.9259, 20.7613, 52.4971



1.8412, 2.2131, 5.1434

Inverse Universe

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



52.2067, 27.6129, 53.6184



49.7359, 24.8355, 46.1227



66.0092, 69.8060, 13.2460



18.5465, 18.2019, 21.4949



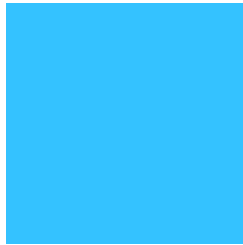
25.8363, 12.8238, 23.5864



2.5640, 1.2680, 2.5513

Previews

White Background



This preview shows how the XYZ color 38.7580, 46.5336, 101.5469 looks on a white background.

Color Contrast Check

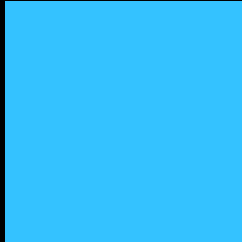
Large Text (above 18pt) WCAG AA × Fail

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 38.7580, 46.5336, 101.5469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

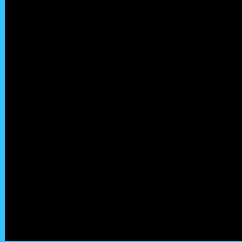
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

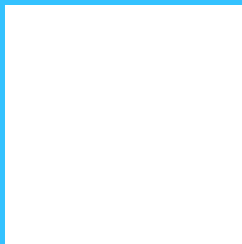
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7580, 46.5336, 101.5469

Background



This preview shows how black text looks on a background with the XYZ color 38.7580, 46.5336, 101.5469.



This preview shows how white text looks on a background with the XYZ color 38.7580, 46.5336,

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

38.7580, 46.5336, 101.5469

Protanopia

46.8477, 45.9330, 90.4012

Deuteranopia

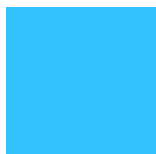
47.1190, 46.1356, 101.0294



Tritanopia

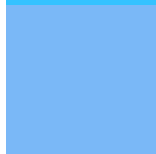
33.0489, 46.2664, 72.1542

Trichromacy



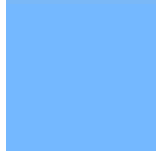
Original Color

38.7580, 46.5336, 101.5469



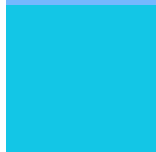
Protanomaly

41.9550, 45.1340, 94.4961



Deuteranomaly

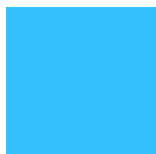
42.3929, 45.2140, 101.1006



Tritanomaly

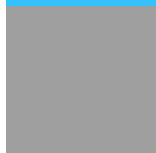
34.7456, 46.2398, 81.9568

Monochromacy



Original Color

38.7580, 46.5336, 101.5469



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

32.2359, 37.3932, 56.5575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7580, 46.5336, 101.5469 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(52, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 194, 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(52, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.7580, 46.5336, 101.5469 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(52, 194, 255) }
```


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

```
.border{ border-color:rgb(52, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7580, 46.5336, 101.5469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 194, 255) }
```

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

```
.background{ background-color: rgb(52, 194,  
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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