

Converting Colors

XYZ(38.4876, 46.0686,
101.4714)

Have a look what the booklet for
XYZ(38.4876, 46.0686, 101.4714)
contains.

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Color

**XYZ(38.4852, 46.0637,
101.4705)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 33C1FF |
| RGB | 51, 193, 255 |
| RGB Percent | 20%, 76%, 100% |
| CMY | 0.7999, 0.2431, 0.0000 |
| CMYK | 0.80, 0.24, 0.00, 0.00 |
| HSL | 198°, 100%, 60% |
| HSV | 198°, 80%, 100% |
| XYZ | 38.4852, 46.0637, 101.4705 |
| YIQ | 157.6100, -104.5340, -10.8220 |

Conversions

Conversions Part 2

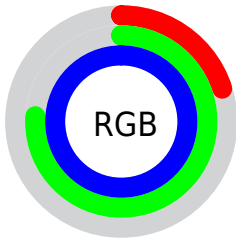
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 51, 135, 255 |
| Decimal | 3391999 |
| CIE Lab | 73.59, -16.25, -40.89 |
| CIE LCh | 74, 44.003, 248.333 |
| Yxy | 46.0637, 0.2069, 0.2476 |
| Android (android.graphics.Color) | 4281582079 (0xFF33C1FF) |
| YUV | 157.6100, 48.0133, -93.4970 |
| Hunter-Lab | 67.8702, -17.5561, -41.1333 |

Details

The XYZ color **38.4852, 46.0637, 101.4705** 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 **47.7450, 33.3132, 7.0479**, and the grayscale version is **32.1496, 33.8239, 36.8342**.

A 20% lighter version of the original color is **60.9789, 79.6385, 106.7656**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **35.8655, 42.2367, 100.8699**, and if you desaturate by 10%, it is **41.9009, 50.4359, 102.1344**.

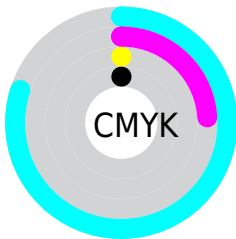
Distribution



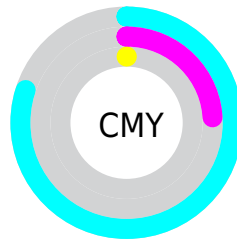
- Red (20%)
- Green (76%)
- Blue (100%)



- 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 38.4852, 46.0637, 101.4705 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 38.4852, 46.0637, 101.4705 by changing the saturation by 10% instead.

■ 38.4852, 46.0637,
101.4705

■ 38.4852, 46.0637,
101.4705

330.9418,
371.0647, 586.1839

■ 26.5384, 32.2961,
76.9055

■ 72.1503, 84.3143,
165.2460

■ 17.3616, 21.5878,
56.6642

■ 94.5994, 109.5661,
205.2935

■ 10.5896, 13.5543,
40.3281

■ 121.2799,
139.4148, 251.3390

■ 5.8568, 7.8113,
27.4787

■ 152.5572,
174.2447, 303.8009

■ 2.7980, 3.9745,
17.6975

188.7967,
214.4402, 363.0978

■ 1.0479, 1.6593,
10.5658

230.3637,

■ 0.0000, 0.3971,

260.3858, 429.6482

5.6652

277.6236,
312.4658, 503.8708

■ 0.0000, 0.0000,
2.5771

■ 0.0000, 0.0000,
0.8806

■ 38.4852, 46.0637,
101.4705

■ 38.4852, 46.0637,
101.4705

■ 35.8655, 42.2367,
100.8699

■ 41.9009, 50.4359,
102.1344

■ 33.8716, 38.8628,
100.3238

■ 46.2104, 55.4034,
102.8661

■ 33.8702, 38.8604,
100.3234

■ 51.5008, 61.0138,
103.6702

■ 57.8472, 67.3077,
104.5505

■ 65.3170, 74.3216,
105.5107

■ 73.9717, 82.0892,
106.5538

■ 83.8680, 90.6414,
107.6830

■ 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.



33.0596, 46.0637, 81.7165



38.4852, 46.0637, 101.4705



45.9873, 46.0637, 105.6474

Triad

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



38.4852, 46.0637, 101.4705



60.3242, 46.0637, 44.1963



35.1396, 46.0637, 23.4851

Complementary

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



38.4852, 46.0637, 101.4705



47.7450, 33.3132, 7.0479

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.



41.6487, 46.0637, 18.5744



38.4852, 46.0637, 101.4705



56.6037, 46.0637, 27.9900

Square

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



38.4852, 46.0637, 101.4705



59.2172, 46.0637, 67.7053



49.5441, 46.0637, 19.9348



31.2933, 46.0637, 35.9352

Rectangle

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



38.4852, 46.0637, 101.4705



51.2767, 46.0637, 98.1383



49.5441, 46.0637, 19.9348



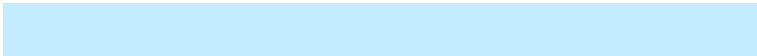
37.0560, 46.0637, 21.0953

Sweetspot

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



38.4867, 46.0652, 101.4708



70.3573, 78.8838, 106.1256



40.0627, 73.3989, 27.4475



14.4068, 16.2967, 22.6362



0.0000, 0.0000, 0.0000



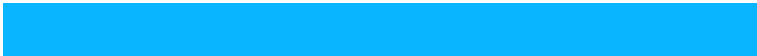
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4867, 46.0652, 101.4708



34.6194, 40.1694, 100.5366



23.2274, 15.5467, 96.3843



18.0616, 19.4947, 23.0609



17.8357, 20.5810, 52.4671



1.8330, 2.1967, 5.1407

Inverse Universe

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



52.0506, 27.4797, 53.0141



49.6498, 24.8010, 45.6691



65.9362, 69.6956, 13.1116



18.5437, 18.2008, 21.4804



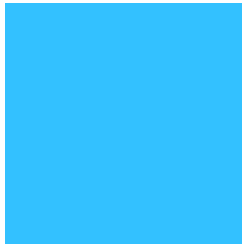
25.7908, 12.8056, 23.3468



2.5598, 1.2663, 2.5294

Previews

White Background



This preview shows how the XYZ color 38.4852, 46.0637, 101.4705 looks on a white background.

Color Contrast Check

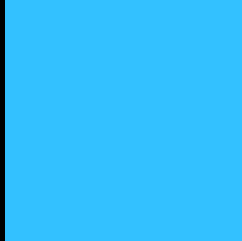
Large Text (above 18pt) WCAG AA × Fail

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 38.4852, 46.0637, 101.4705 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

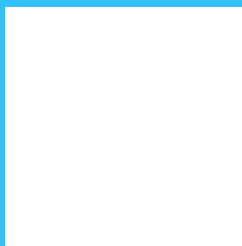
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4852, 46.0637, 101.4705

Background



This preview shows how black text looks on a background with the XYZ color 38.4852, 46.0637, 101.4705.

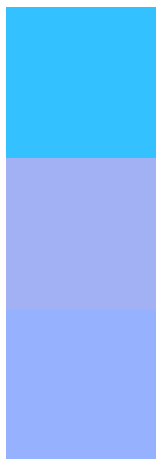


This preview shows how white text looks on a background with the XYZ color 38.4852, 46.0637,

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

38.4852, 46.0637, 101.4705

Protanopia

46.5977, 45.4924, 91.1190

Deuteranopia

46.5481, 45.5448, 100.9454



Tritanopia

32.6892, 45.7531, 71.3983

Trichromacy



Original Color

38.4852, 46.0637, 101.4705

Protanomaly

41.6071, 44.6473, 94.4206

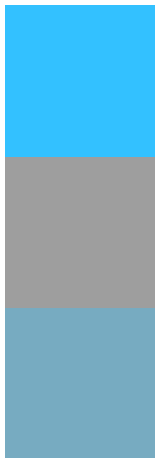
Deuteranomaly

41.9229, 44.6644, 101.0193

Tritanomaly

34.5177, 45.7841, 81.8809

Monochromacy



Original Color

38.4852, 46.0637, 101.4705

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7963, 36.8980, 55.8983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4852, 46.0637, 101.4705 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(51, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 193, 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(51, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 193, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.4852, 46.0637, 101.4705 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(51, 193, 255) }
```


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

```
.border{ border-color:rgb(51, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 193,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4852, 46.0637, 101.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 193, 255) }
```

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

```
.background{ background-color: rgb(51, 193,  
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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