

Converting Colors

XYZ(38.4938, 48.0053,
101.8449)

Have a look what the booklet for
XYZ(38.4938, 48.0053, 101.8449)
contains.

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Color

**XYZ(38.5485, 48.1056,
101.8613)**

Conversions

Conversions Part 1

Format	Color
Hex	06C7FF
RGB	6, 199, 255
RGB Percent	2%, 78%, 100%
CMY	0.9762, 0.2196, 0.0000
CMYK	0.98, 0.22, 0.00, 0.00
HSL	193°, 100%, 51%
HSV	193°, 98%, 100%
XYZ	38.5485, 48.1056, 101.8613
YIQ	147.6770, -133.0040, -23.5000

Conversions

Conversions Part 2

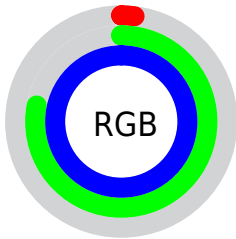
Format	Color
RYB	6, 115, 255
Decimal	444415
CIELab	74.89, -21.67, -38.90
CIELCh	75, 44.523, 240.879
Yxy	48.1056, 0.2045, 0.2552
Android (android.graphics.Color)	4278634495 (0xFF06C7FF)
YUV	147.6770, 52.9102, -124.2507
Hunter-Lab	69.3582, -22.1686, -38.5241

Details

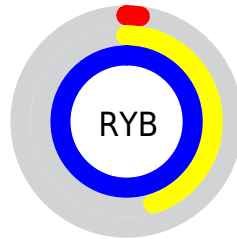
The XYZ color **38.5485, 48.1056, 101.8613** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **42.9997, 24.7261, 2.6806**, and the grayscale version is **27.8499, 29.3003, 31.9080**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **20.3184, 24.3280, 57.0510** is the 20% darker color. If you saturate the color by 10%, you get **38.1611, 47.4422, 101.7537**, and if you desaturate by 10%, it is **40.4013, 51.0581, 102.3336**.

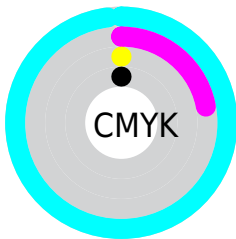
Distribution



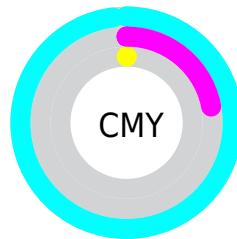
- Red (2%)
- Green (78%)
- Blue (100%)



- Red (2%)
- Yellow (45%)
- Blue (100%)



- Cyan (98%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (98%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5485, 48.1056, 101.8613 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 38.5485, 48.1056, 101.8613 by changing the saturation by 10% instead.


 38.5485, 48.1056,
101.8613


 38.5485, 48.1056,
101.8613


331.2074,
379.2105, 587.4414


 26.5878, 33.9105,
77.2304


 72.2466, 87.3616,
165.7868


 17.3989, 22.8249,
56.9293


 94.7147, 113.1913,
205.9185


 10.6164, 14.4642,
40.5395


 121.4159,
143.6681, 252.0542

 5.8749, 8.4443,
27.6424

 152.7157,
179.1762, 304.6124

 2.8091, 4.3805,
17.8196

 188.9794,
220.1001, 364.0117

 1.0536, 1.8886,
10.6525

230.5724,

 0.0000, 0.5415,

266.8242, 430.6706

5.7224

277.8599,
319.7329, 505.0076

■ 0.0000, 0.0000,
2.6110

■ 0.0000, 0.0000,
0.8981

■ 38.5485, 48.1056,
101.8613

■ 38.5485, 48.1056,
101.8613

■ 38.1611, 47.4422,
101.7537

■ 40.4013, 51.0581,
102.3336

■ 42.9055, 54.4201,
102.8505

■ 46.1897, 58.2598,
103.4185

■ 50.3505, 62.6275,
104.0423

■ 55.4700, 67.5664,
104.7258

■ 61.6204, 73.1145,
105.4725

■ 68.8669, 79.3060,
106.2857

■ 77.2689, 86.1724,
107.1682

■ 86.8816, 93.7428,
108.1228

Harmonies

Analogous

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



33.6065, 48.1056, 78.7953



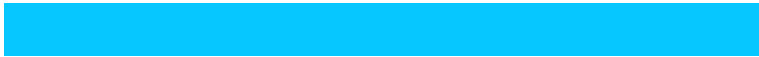
38.5485, 48.1056, 101.8613



45.9625, 48.1056, 110.9003

Triad

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



38.5485, 48.1056, 101.8613



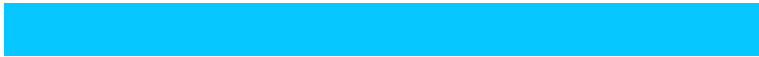
63.1480, 48.1056, 51.6968



38.1800, 48.1056, 22.6461

Complementary

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



38.5485, 48.1056, 101.8613



42.9997, 24.7261, 2.6806

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.



45.4842, 48.1056, 19.2197



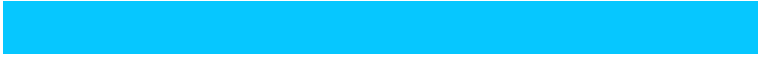
38.5485, 48.1056, 101.8613



60.4493, 48.1056, 32.6445

Square

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



38.5485, 48.1056, 101.8613



60.7379, 48.1056, 77.2478



53.7365, 48.1056, 22.2567



33.4120, 48.1056, 33.5179

Rectangle

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



38.5485, 48.1056, 101.8613



51.5068, 48.1056, 106.1448



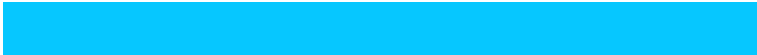
53.7365, 48.1056, 22.2567



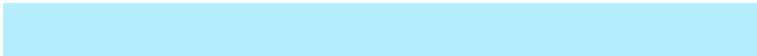
40.3891, 48.1056, 20.7590

Sweetspot

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



38.5500, 48.1072, 101.8616



67.7986, 78.4114, 106.1693



36.6518, 71.8855, 16.2194



13.8349, 16.2091, 22.6494



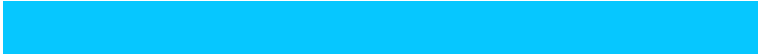
0.0000, 0.0000, 0.0000



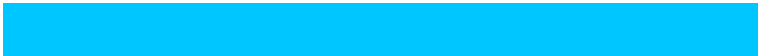
20.3446, 21.4041, 23.3091

Same Dimension

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



38.5500, 48.1072, 101.8616



38.1611, 47.4422, 101.7537



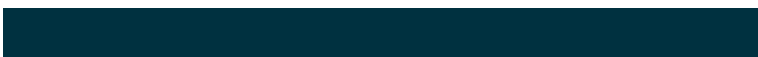
20.7521, 12.5113, 95.9289



18.1879, 19.7475, 23.1030



20.0571, 25.0238, 53.2075



2.0338, 2.5983, 5.2076

Inverse Universe

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



51.6150, 25.5154, 56.2389



51.3912, 25.3205, 55.3853



58.5116, 55.7500, 7.8513



18.6075, 18.2263, 21.8163



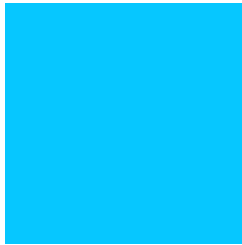
26.9121, 13.2541, 29.2513



2.6612, 1.3068, 3.0632

Previews

White Background



This preview shows how the XYZ color 38.5485, 48.1056, 101.8613 looks on a white background.

Color Contrast Check

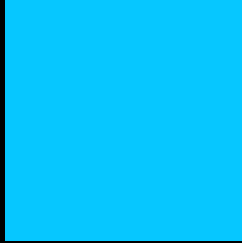
Large Text (above 18pt) WCAG AA × Fail

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 38.5485, 48.1056, 101.8613 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 38.5485, 48.1056, 101.8613

Background



This preview shows how black text looks on a background with the XYZ color 38.5485, 48.1056, 101.8613.



This preview shows how white text looks on a background with the XYZ color 38.5485, 48.1056,

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

38.5485, 48.1056, 101.8613

Protanopia

48.1269, 47.5056, 89.8520

Deuteranopia

48.4785, 47.4358, 101.2087



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



Original Color

38.5485, 48.1056, 101.8613

Protanomaly

40.8021, 45.8084, 93.8802

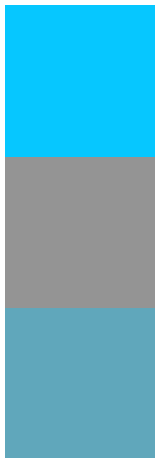
Deuteranomaly

41.5127, 46.0112, 101.3008

Tritanomaly

35.7111, 48.0802, 83.7422

Monochromacy



Original Color

38.5485, 48.1056, 101.8613

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.6122, 33.7121, 52.0655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5485, 48.1056, 101.8613 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(6, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(6, 199, 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(6, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.5485, 48.1056, 101.8613 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(6, 199, 255) }
```


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

```
.border{ border-color:rgb(6, 199, 255) }
```

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

Here you see how a box with a 4 pixel rgb(6, 199, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(6, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5485, 48.1056, 101.8613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 199, 255) }
```

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

```
.background{ background-color: rgb(6, 199,  
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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