

Converting Colors

XYZ(38.8371, 48.7377,
101.9681)

Have a look what the booklet for
XYZ(38.8371, 48.7377, 101.9681)
contains.

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Color

**XYZ(38.7418, 48.5479,
101.9365)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 03C8FF |
| RGB | 3, 200, 255 |
| RGB Percent | 1%, 78%, 100% |
| CMY | 0.9879, 0.2157, 0.0000 |
| CMYK | 0.99, 0.22, 0.00, 0.00 |
| HSL | 193°, 100%, 51% |
| HSV | 193°, 99%, 100% |
| XYZ | 38.7418, 48.5479, 101.9365 |
| YIQ | 147.3670, -135.0670, -24.6590 |

Conversions

Conversions Part 2

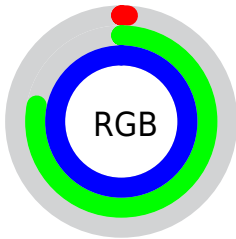
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 3, 114, 255 |
| Decimal | 248063 |
| CIE Lab | 75.17, -22.25, -38.46 |
| CIE LCh | 75, 44.435, 239.956 |
| Yxy | 48.5479, 0.2047, 0.2566 |
| Android (android.graphics.Color) | 4278438143 (0xFF03C8FF) |
| YUV | 147.3670, 53.0631, -126.6099 |
| Hunter-Lab | 69.6763, -22.6830, -37.9679 |

Details

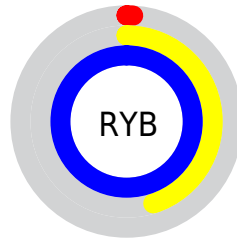
The XYZ color **38.7418, 48.5479, 101.9365** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **42.7735, 24.3001, 2.5242**, and the grayscale version is **27.7219, 29.1656, 31.7613**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **20.4719, 24.6350, 57.1021** is the 20% darker color. If you saturate the color by 10%, you get **38.5497, 48.2195, 101.8832**, and if you desaturate by 10%, it is **40.5125, 51.4105, 102.3957**.

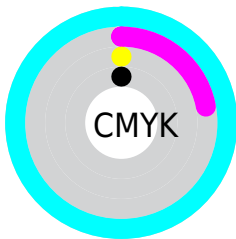
Distribution



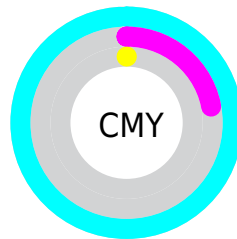
- Red (1%)
- Green (78%)
- Blue (100%)



- Red (1%)
- Yellow (45%)
- Blue (100%)



- Cyan (99%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7418, 48.5479, 101.9365 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 38.7418, 48.5479, 101.9365 by changing the saturation by 10% instead.


 38.7418, 48.5479,
101.9365


 38.7418, 48.5479,
101.9365


332.0176,
380.9598, 587.6832


 26.7387, 34.2610,
77.2929


 72.5403, 88.0196,
165.8909


 17.5127, 23.0942,
56.9803


 95.0665, 113.9732,
206.0387


 10.6983, 14.6631,
40.5802


 121.8310,
144.5845, 252.1917

 5.9301, 8.5833,
27.6740

 153.1994,
180.2378, 304.7685

 2.8429, 4.4704,
17.8431

 189.5369,
221.3176, 364.1874

 1.0712, 1.9400,
10.6691

231.2088,

 0.0008, 0.5723,

268.2083, 430.8672

5.7335

278.5806,
321.2942, 505.2263

■ 0.0000, 0.0000,
2.6175

■ 0.0000, 0.0000,
0.9015

■ 38.7418, 48.5479,
101.9365

■ 38.7418, 48.5479,
101.9365

■ 38.5497, 48.2195,
101.8832

■ 40.5125, 51.4105,
102.3957

■ 42.9034, 54.6625,
102.8974

■ 46.0588, 58.3797,
103.4486

■ 50.0774, 62.6138,
104.0540

■ 55.0427, 67.4084,
104.7178

■ 61.0279, 72.8019,
105.4434

■ 68.0988, 78.8290,
106.2341

■ 76.3154, 85.5213,
107.0927

■ 85.7334, 92.9080,
108.0222

Harmonies

Analogous

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



33.8668, 48.5479, 78.5534



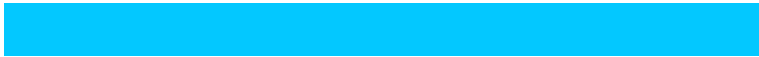
38.7418, 48.5479, 101.9365



46.1313, 48.5479, 111.5556

Triad

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



38.7418, 48.5479, 101.9365



63.6328, 48.5479, 52.8947



38.7603, 48.5479, 22.7566

Complementary

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



38.7418, 48.5479, 101.9365



42.7735, 24.3001, 2.5242

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.



46.1553, 48.5479, 19.5101



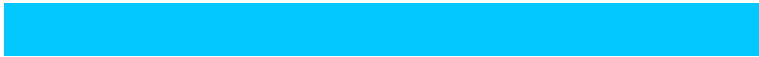
38.7418, 48.5479, 101.9365



61.0771, 48.5479, 33.4868

Square

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



38.7418, 48.5479, 101.9365



61.0627, 48.5479, 78.6308



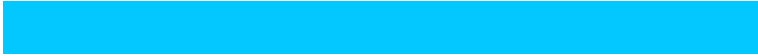
54.4322, 48.5479, 22.7762



33.8765, 48.5479, 33.4430

Rectangle

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



38.7418, 48.5479, 101.9365



51.6945, 48.5479, 107.1852



54.4322, 48.5479, 22.7762



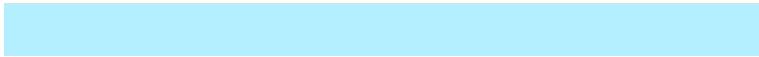
41.0045, 48.5479, 20.9281

Sweetspot

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



38.7433, 48.5495, 101.9367



67.1868, 78.0678, 106.1352



36.5535, 71.8419, 15.8978



13.7258, 16.1560, 22.6449



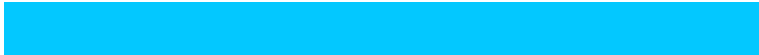
0.0000, 0.0000, 0.0000



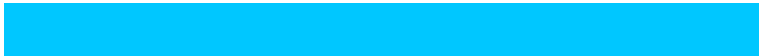
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7433, 48.5495, 101.9367



38.5497, 48.2195, 101.8832



20.5676, 12.1981, 95.8782



18.1986, 19.7689, 23.1065



20.2580, 25.4256, 53.2745



2.0518, 2.6343, 5.2136

Inverse Universe

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



51.6990, 25.4970, 56.8416



51.5873, 25.3989, 56.4182



58.3187, 55.3905, 7.7060



18.6129, 18.2285, 21.8447



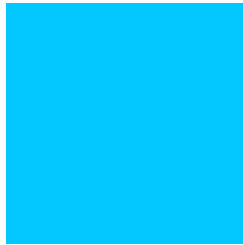
27.0135, 13.2947, 29.7852



2.6703, 1.3105, 3.1109

Previews

White Background



This preview shows how the XYZ color 38.7418, 48.5479, 101.9365 looks on a white background.

Color Contrast Check

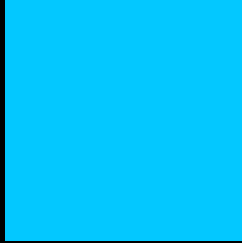
Large Text (above 18pt) WCAG AA × Fail

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 38.7418, 48.5479, 101.9365 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 38.7418, 48.5479, 101.9365

Background



This preview shows how black text looks on a background with the XYZ color 38.7418, 48.5479, 101.9365.



This preview shows how white text looks on a background with the XYZ color 38.7418, 48.5479,

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

38.7418, 48.5479, 101.9365

Protanopia

48.5495, 47.7235, 89.8718

Deuteranopia

49.0760, 48.0468, 101.2951



Tritanopia

34.5111, 48.3530, 75.2243

Trichromacy



Original Color

38.7418, 48.5479, 101.9365

Protanomaly

40.8021, 45.8084, 93.8802

Deuteranomaly

41.7271, 46.4400, 101.3723

Tritanomaly

36.0764, 48.6015, 84.5704

Monochromacy



Original Color

38.7418, 48.5479, 101.9365

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.2185, 33.2505, 51.4378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7418, 48.5479, 101.9365 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(3, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(3, 200, 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(3, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 200, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.7418, 48.5479, 101.9365 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(3, 200, 255) }
```


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

```
.border{ border-color:rgb(3, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(3, 200,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7418, 48.5479, 101.9365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 200, 255) }
```

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

```
.background{ background-color: rgb(3, 200,  
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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