

Converting Colors

XYZ(39.0042, 49.0336,
102.0164)

Have a look what the booklet for
XYZ(39.0042, 49.0336, 102.0164)
contains.

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Color

**XYZ(38.9992, 49.0256,
102.0151)**

Conversions

Conversions Part 1

Format	Color
Hex	05C9FF
RGB	5, 201, 255
RGB Percent	2%, 79%, 100%
CMY	0.9801, 0.2118, 0.0000
CMYK	0.98, 0.21, 0.00, 0.00
HSL	193°, 100%, 51%
HSV	193°, 98%, 100%
XYZ	38.9992, 49.0256, 102.0151
YIQ	148.5520, -134.1500, -24.7580

Conversions

Conversions Part 2

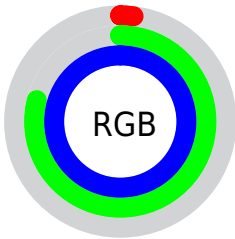
Format	Color
R _Y B	5, 115, 255
Decimal	379391
CIE Lab	75.47, -22.71, -38.00
CIE LCh	75, 44.271, 239.134
Yxy	49.0256, 0.2052, 0.2580
Android (android.graphics.Color)	4278569471 (0xFF05C9FF)
YUV	148.5520, 52.4789, -125.8951
Hunter-Lab	70.0183, -23.1100, -37.3714

Details

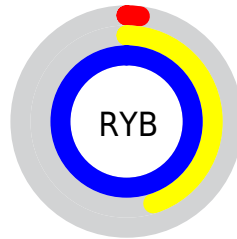
The XYZ color **38.9992, 49.0256, 102.0151** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **42.8353, 24.4061, 2.5988**, and the grayscale version is **28.2159, 29.6853, 32.3273**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **20.6268, 24.9447, 57.1537** is the 20% darker color. If you saturate the color by 10%, you get **38.6827, 48.4855, 101.9276**, and if you desaturate by 10%, it is **40.7970, 51.8942, 102.4741**.

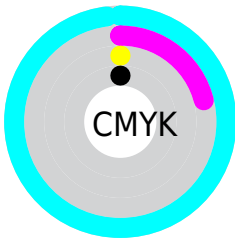
Distribution



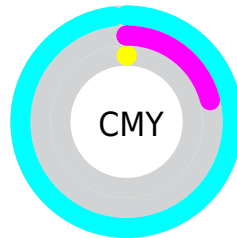
- Red (2%)
- Green (79%)
- Blue (100%)



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



- Cyan (98%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (98%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9992, 49.0256, 102.0151 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 38.9992, 49.0256, 102.0151 by changing the saturation by 10% instead.

■ 38.9992, 49.0256,
102.0151

■ 38.9992, 49.0256,
102.0151

333.0943,
382.8431, 587.9359

■ 26.9398, 34.6398,
77.3583

■ 72.9312, 88.7295,
165.9996

■ 17.6644, 23.3855,
57.0336

■ 95.5345, 114.8163,
206.1644

■ 10.8075, 14.8784,
40.6227

■ 122.3832,
145.5723, 252.3355

■ 6.0039, 8.7341,
27.7069

■ 153.8425,
181.3818, 304.9316

■ 2.8881, 4.5682,
17.8677

■ 190.2780,
222.6293, 364.3711

■ 1.0949, 1.9962,
10.6866

232.0549,

■ 0.0208, 0.6053,

269.6990, 431.0726

5.7450

279.5385,
322.9755, 505.4547

■ 0.0000, 0.0000,
2.6244

■ 0.0000, 0.0000,
0.9050

■ 38.9992, 49.0256,
102.0151

■ 38.9992, 49.0256,
102.0151

■ 38.6827, 48.4855,
101.9276

■ 40.7970, 51.8942,
102.4741

■ 43.2337, 55.1604,
102.9761

■ 46.4423, 58.8943,
103.5277

■ 50.5203, 63.1468,
104.1336

■ 55.5500, 67.9611,
104.7978

■ 61.6040, 73.3752,
105.5237

■ 68.7476, 79.4234,
106.3146

■ 77.0404, 86.1371,
107.1734

■ 86.5376, 93.5455,
108.1028

Harmonies

Analogous

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



34.1869, 49.0256, 78.3954



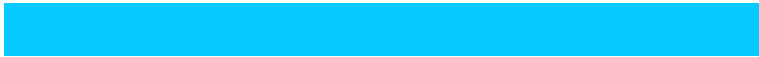
38.9992, 49.0256, 102.0151



46.3606, 49.0256, 112.1294

Triad

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



38.9992, 49.0256, 102.0151



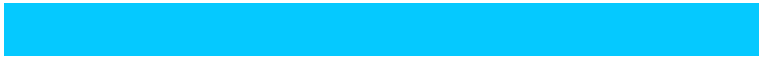
64.1211, 49.0256, 54.0627



39.3652, 49.0256, 22.9542

Complementary

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



38.9992, 49.0256, 102.0151



42.8353, 24.4061, 2.5988

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.



46.8349, 49.0256, 19.8666



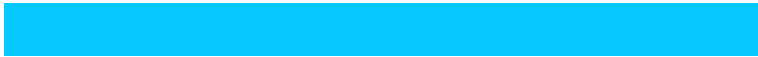
38.9992, 49.0256, 102.0151



61.6975, 49.0256, 34.3485

Square

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



38.9992, 49.0256, 102.0151



61.4120, 49.0256, 79.9254



55.1234, 49.0256, 23.3434



34.3802, 49.0256, 33.4790

Rectangle

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



38.9992, 49.0256, 102.0151



51.9344, 49.0256, 108.1131



55.1234, 49.0256, 23.3434



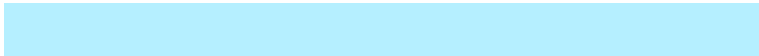
41.6391, 49.0256, 21.1768

Sweetspot

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



39.0007, 49.0272, 102.0154



67.9910, 78.7963, 106.2334



36.5144, 71.8291, 15.5615



13.8815, 16.3023, 22.6650



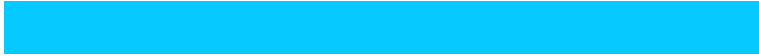
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



39.0007, 49.0272, 102.0154



38.6827, 48.4855, 101.9276



20.9858, 12.9974, 96.0104



18.2023, 19.7761, 23.1078



20.3267, 25.5630, 53.2974



2.0579, 2.6465, 5.2156

Inverse Universe

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



51.8380, 25.5873, 57.4666



51.6544, 25.4258, 56.7717



57.5934, 53.9223, 7.5182



18.6147, 18.2292, 21.8543



27.0482, 13.3086, 29.9679



2.6734, 1.3117, 3.1273

Previews

White Background



This preview shows how the XYZ color 38.9992, 49.0256, 102.0151 looks on a white background.

Color Contrast Check

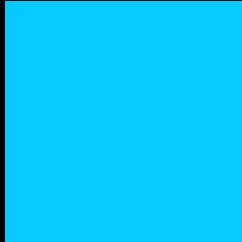
Large Text (above 18pt) WCAG AA × Fail

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 38.9992, 49.0256, 102.0151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

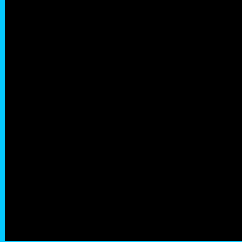
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9992, 49.0256, 102.0151

Background



This preview shows how black text looks on a background with the XYZ color 38.9992, 49.0256, 102.0151.

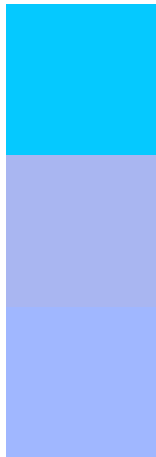


This preview shows how white text looks on a background with the XYZ color 38.9992, 49.0256,

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

38.9992, 49.0256, 102.0151

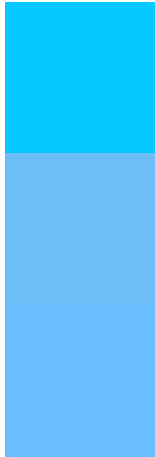
Protanopia

48.9673, 48.2418, 89.9498

Deuteranopia

49.4807, 48.5606, 101.3730

Trichromacy



Original Color

38.9992, 49.0256, 102.0151

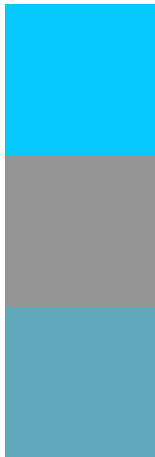
Protanomaly

41.1388, 46.3002, 93.9574

Deuteranomaly

42.1724, 46.9900, 101.4550

Monochromacy



Original Color

38.9992, 49.0256, 102.0151

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.0095, 34.1775, 52.6976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9992, 49.0256, 102.0151 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(5, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(5, 201, 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(5, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.9992, 49.0256, 102.0151 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(5, 201, 255) }
```

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

```
.border{ border-color:rgb(5, 201, 255) }
```

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

Here you see how a box with a 4 pixel rgb(5, 201, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(5, 201,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 38.9992, 49.0256, 102.0151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 201, 255) }
```

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

```
.background{ background-color: rgb(5, 201,  
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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