

Converting Colors

XYZ(39.8565, 52.1296, 98.3217)

Have a look what the booklet for
XYZ(39.8565, 52.1296, 98.3217)
contains.

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Color

**XYZ(39.8112, 52.0139,
98.3839)**

Conversions

Conversions Part 1

Format	Color
Hex	00D0FA
RGB	0, 208, 250
RGB Percent	0%, 82%, 98%
CMY	0.9997, 0.1843, 0.0196
CMYK	1.00, 0.17, 0.00, 0.02
HSL	190°, 100%, 49%
HSV	190°, 100%, 98%
XYZ	39.8112, 52.0139, 98.3839
YIQ	150.5960, -137.4500, -31.0340

Conversions

Conversions Part 2

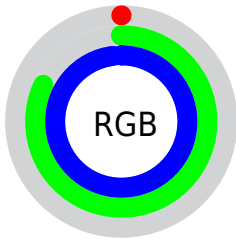
Format	Color
RYB	0, 114, 250
Decimal	53498
CIELab	77.29, -28.00, -32.51
CIELCh	77, 42.908, 229.258
Yxy	52.0139, 0.2093, 0.2735
Android (android.graphics.Color)	4278243578 (0xFF00D0FA)
YUV	150.5960, 49.0062, -132.0727
Hunter-Lab	72.1207, -27.6777, -30.3964

Details

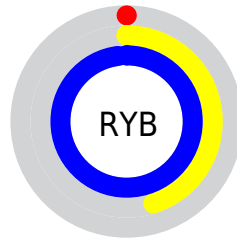
The XYZ color **39.8112, 52.0139, 98.3839** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.2557, 21.9853, 2.1240**, and the grayscale version is **29.0924, 30.6075, 33.3315**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.0169, 26.6327, 54.4850** is the 20% darker color. If you saturate the color by 10%, you get **39.8091, 52.0093, 98.3842**, and if you desaturate by 10%, it is **41.2527, 54.2987, 98.7500**.

Distribution



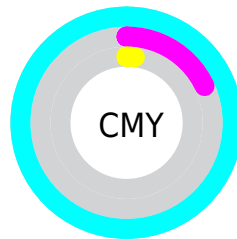
- Red (0%)
- Green (82%)
- Blue (98%)



- Red (0%)
- Yellow (45%)
- Blue (98%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8112, 52.0139, 98.3839 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 39.8112, 52.0139, 98.3839 by changing the saturation by 10% instead.


 39.8112, 52.0139,
98.3839


 39.8112, 52.0139,
98.3839


336.4752,
394.4903, 576.2011


 27.5749, 37.0162,
74.3422

 74.1621, 93.1517,
160.9670

 18.1443, 25.2200,
54.5757

 97.0074, 120.0606,
200.3454


 11.1539, 16.2410,
38.6658


 124.1198,
151.7087, 245.6732

 6.2385, 9.6949,
26.1940

 155.8647,
188.4803, 297.3689

 3.0327, 5.1971,
16.7418

 192.6073,
230.7599, 355.8510

 1.1711, 2.3634,
9.8905

234.7130,

 0.0833, 0.8070,

278.9318, 421.5380

5.2218

282.5472,
333.3805, 494.8486

■ 0.0000, 0.0000,
2.3170

■ 0.0000, 0.0000,
0.7407

■ 39.8112, 52.0139,
98.3839

■ 39.8112, 52.0139,
98.3839

■ 39.8091, 52.0093,
98.3842

■ 41.2527, 54.2987,
98.7500

■ 43.2342, 56.9016,
99.1479

■ 45.9154, 59.9060,
99.5865

■ 49.3922, 63.3618,
100.0703

■ 53.7452, 67.3107,
100.6031

■ 59.0448, 71.7895,
101.1883

■ 65.3542, 76.8308,
101.8288

■ 72.7311, 82.4648,
102.5275

■ 81.2285, 88.7190,
103.2868

Harmonies

Analogous

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



35.9515, 52.0139, 72.9374



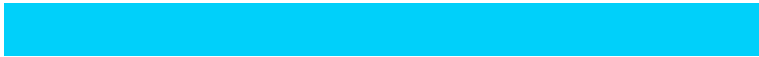
39.8112, 52.0139, 98.3839



46.5461, 52.0139, 113.8565

Triad

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



39.8112, 52.0139, 98.3839



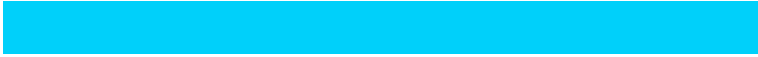
66.6737, 52.0139, 65.5095



44.3994, 52.0139, 23.7168

Complementary

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



39.8112, 52.0139, 98.3839



40.2557, 21.9853, 2.1240

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.



52.4466, 52.0139, 22.7550



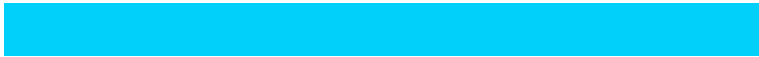
39.8112, 52.0139, 98.3839



65.9340, 52.0139, 42.9618

Square

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



39.8112, 52.0139, 98.3839



62.4241, 52.0139, 91.6655



60.5028, 52.0139, 28.7667



38.3901, 52.0139, 31.9041

Rectangle

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



39.8112, 52.0139, 98.3839



52.0277, 52.0139, 114.1815



60.5028, 52.0139, 28.7667



46.9350, 52.0139, 22.6442

Sweetspot

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



39.8129, 52.0157, 98.3852



68.3203, 80.3347, 106.5130



34.6000, 68.5377, 13.5705



13.9993, 16.7031, 22.7361



0.0000, 0.0000, 0.0000



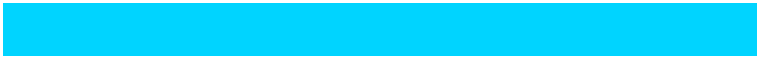
20.3446, 21.4041, 23.3091

Same Dimension

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



39.8129, 52.0157, 98.3852



41.6308, 54.3816, 102.9103



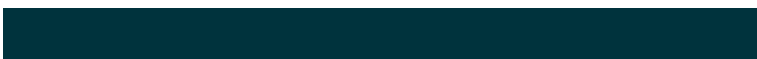
20.3790, 13.1478, 91.9072



17.5030, 19.0829, 22.1461



21.2081, 27.7718, 52.2163



2.0279, 2.6994, 4.8573

Inverse Universe

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



50.8111, 24.8800, 61.8005



53.1425, 26.0210, 64.6078



53.1875, 47.8490, 6.4346



17.8604, 17.4715, 21.1208



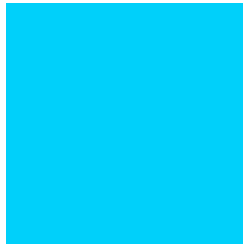
26.9969, 13.2145, 33.0218



2.5325, 1.2367, 3.2275

Previews

White Background



This preview shows how the XYZ color 39.8112, 52.0139, 98.3839 looks on a white background.

Color Contrast Check

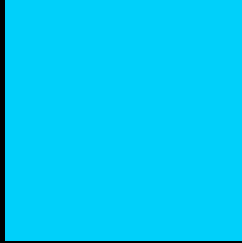
Large Text (above 18pt) WCAG AA × Fail

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 39.8112, 52.0139, 98.3839 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 39.8112, 52.0139, 98.3839

Background



This preview shows how black text looks on a background with the XYZ color 39.8112, 52.0139, 98.3839.

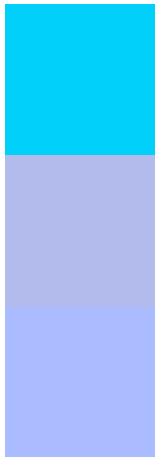


This preview shows how white text looks on a background with the XYZ color 39.8112, 52.0139,

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

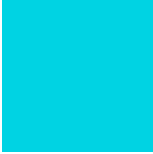
39.8112, 52.0139, 98.3839

Protanopia

51.1258, 51.0038, 85.7474

Deuteranopia

52.6149, 51.4186, 101.7594



Tritanopia

37.1594, 52.1346, 80.7775

Trichromacy



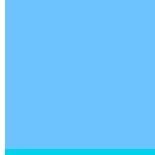
Original Color

39.8112, 52.0139, 98.3839



Protanomaly

42.0533, 48.8322, 89.6472



Deuteranomaly

43.5514, 49.3733, 100.1631



Tritanomaly

38.0420, 52.0913, 86.6469

Monochromacy



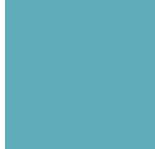
Original Color

39.8112, 52.0139, 98.3839



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

28.5460, 35.5797, 52.3767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8112, 52.0139, 98.3839 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(0, 208, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 250)  
}
```

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(0, 208, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 250) }
```

Border

The CSS property to change the border of an element to XYZ 39.8112, 52.0139, 98.3839 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(0, 208, 250) }
```


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

```
.border{ border-color:rgb(0, 208, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8112, 52.0139, 98.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 250) }
```

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

```
.background{ background-color: rgb(0, 208,  
250) }
```

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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