

# Converting Colors

XYZ(39.3759, 51.1432, 98.2388)

Have a look what the booklet for  
XYZ(39.3759, 51.1432, 98.2388)  
contains.

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# Color

**XYZ(39.3266, 51.0447,  
98.2224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CEFA
RGB	0, 206, 250
RGB Percent	0%, 81%, 98%
CMY	0.9997, 0.1921, 0.0196
CMYK	1.00, 0.18, 0.00, 0.02
HSL	191°, 100%, 49%
HSV	191°, 100%, 98%
XYZ	39.3266, 51.0447, 98.2224
YIQ	149.4220, -136.9000, -29.9880

# Conversions

## Conversions Part 2

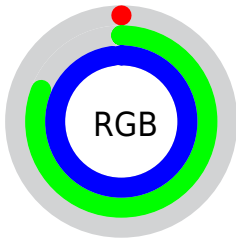
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 113, 250
Decimal	52986
CIELab	76.71, -27.02, -33.41
CIELCh	77, 42.965, 231.040
Yxy	51.0447, 0.2085, 0.2707
Android (android.graphics.Color)	4278243066 (0xFF00CEFA)
YUV	149.4220, 49.5850, -131.0431
Hunter-Lab	71.4456, -26.7760, -31.4992

# Details

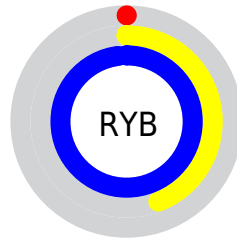
The XYZ color **39.3266, 51.0447, 98.2224** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.3285, 22.1310, 2.1482**, and the grayscale version is **28.5933, 30.0823, 32.7597**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **20.6922, 25.9835, 54.3768** is the 20% darker color. If you saturate the color by 10%, you get **39.3244, 51.0399, 98.2226**, and if you desaturate by 10%, it is **40.8046, 53.4026, 98.6006**.

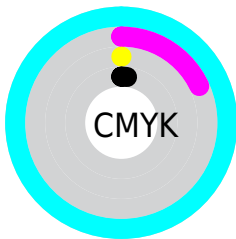
# Distribution



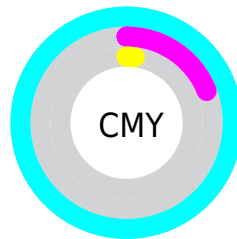
- Red (0%)
- Green (81%)
- Blue (98%)



- Red (0%)
- Yellow (44%)
- Blue (98%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (19%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3266, 51.0447, 98.2224 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 39.3266, 51.0447, 98.2224 by changing the saturation by 10% instead.



39.3266, 51.0447,  
98.2224

39.3266, 51.0447,  
98.2224

334.4604,  
390.7374, 575.6763

27.1958, 36.2442,  
74.2082

73.4279, 91.7208,  
160.7427

17.8576, 24.6228,  
54.4667

96.1290, 118.3653,  
200.0859

10.9469, 15.7963,  
38.5792

123.0843,  
149.7264, 245.3759

6.0982, 9.3801,  
26.1272

154.6591,  
186.1888, 297.0312

2.9461, 4.9899,  
16.6922

191.2187,  
228.1366, 355.4704

1.1253, 2.2414,  
9.8556

233.1286,

0.0461, 0.7424,

275.9544, 421.1119

5.1990

280.7540,  
330.0266, 494.3743

■ 0.0000, 0.0000,  
2.3037

■ 0.0000, 0.0000,  
0.7333

■ 39.3266, 51.0447,  
98.2224

■ 39.3266, 51.0447,  
98.2224

■ 39.3244, 51.0399,  
98.2226

■ 40.8046, 53.4026,  
98.6006

■ 42.8252, 56.0837,  
99.0116

■ 45.5481, 59.1715,  
99.4641

■ 49.0692, 62.7160,  
99.9627

■ 53.4692, 66.7590,  
100.5112

■ 58.8185, 71.3371,  
101.1129

■ 65.1804, 76.4833,  
101.7709

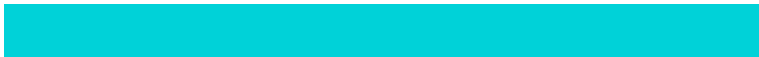
■ 72.6124, 82.2276,  
102.4880

■ 81.1677, 88.5977,  
103.2666

# Harmonies

## Analogous

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



35.3269, 51.0447, 73.2733



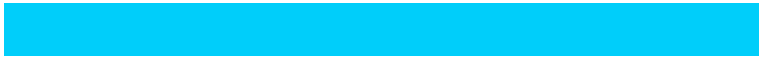
39.3266, 51.0447, 98.2224



46.1198, 51.0447, 112.6477

# Triad

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



39.3266, 51.0447, 98.2224



65.6752, 51.0447, 62.8554



43.1119, 51.0447, 23.3647

# Complementary

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



39.3266, 51.0447, 98.2224



40.3285, 22.1310, 2.1482

# 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.



50.9948, 51.0447, 22.0213



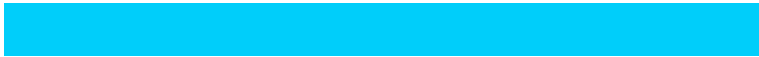
39.3266, 51.0447, 98.2224



64.6376, 51.0447, 40.9906

# Square

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



39.3266, 51.0447, 98.2224



61.7313, 51.0447, 88.7919



59.0368, 51.0447, 27.5048



37.3365, 51.0447, 31.8924



# Rectangle

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



39.3266, 51.0447, 98.2224



51.5755, 51.0447, 112.1957



59.0368, 51.0447, 27.5048



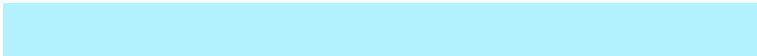
45.5808, 51.0447, 22.1741

# Sweetspot

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



39.3283, 51.0465, 98.2237



68.1382, 79.9706, 106.4523



34.5999, 68.5377, 13.5704



13.9553, 16.6151, 22.7215



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

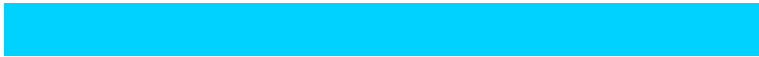


# Same Dimension

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



39.3283, 51.0465, 98.2237



41.1234, 53.3668, 102.7411



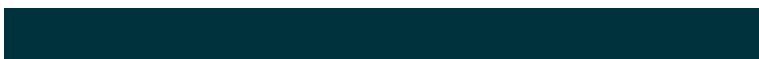
20.3790, 13.1477, 91.9072



17.4906, 19.0581, 22.1420



20.9542, 27.2640, 52.1316



2.0066, 2.6569, 4.8502



# Inverse Universe

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



50.5665, 24.7821, 60.5124



52.8864, 25.9186, 63.2591



53.1874, 47.8489, 6.4345



17.8542, 17.4690, 21.0879



26.8687, 13.1632, 32.3469

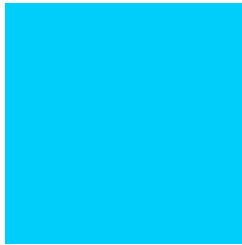


2.5218, 1.2324, 3.1710



# Previews

## White Background



This preview shows how the XYZ color 39.3266, 51.0447, 98.2224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

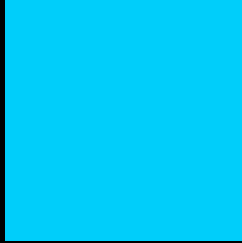
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.3266, 51.0447, 98.2224 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 39.3266, 51.0447, 98.2224**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3266, 51.0447, 98.2224.



This preview shows how white text looks on a background with the XYZ color 39.3266, 51.0447,



# 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

39.3266, 51.0447, 98.2224

### Protanopia

50.4588, 50.3461, 85.6556

### Deuteranopia

51.5474, 50.2428, 101.5887



## Tritanopia

36.3911, 51.0372, 79.1673

# Trichromacy



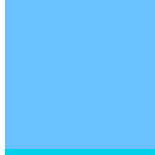
## Original Color

39.3266, 51.0447, 98.2224



## Protanomaly

41.4802, 47.8759, 89.4928



## Deuteranomaly

42.8630, 48.3576, 100.0033



## Tritanomaly

37.4072, 51.0523, 85.7244

# Monochromacy



## Original Color

39.3266, 51.0447, 98.2224



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

27.9570, 34.7275, 51.6840

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3266, 51.0447, 98.2224 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, 206, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 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, 206, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3266, 51.0447, 98.2224 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, 206, 250) }
```



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

```
.border{ border-color:rgb(0, 206, 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, 206, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3266, 51.0447, 98.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 250) }
```

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

```
.background{ background-color: rgb(0, 206,  
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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