

Converting Colors

XYZ(33.5244, 39.3252, 96.1864)

Have a look what the booklet for
XYZ(33.5244, 39.3252, 96.1864)
contains.

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Color

**XYZ(33.4756, 39.1940,
96.2433)**

Conversions

Conversions Part 1

Format	Color
Hex	08B3FA
RGB	8, 179, 250
RGB Percent	3%, 70%, 98%
CMY	0.9683, 0.2980, 0.0196
CMYK	0.97, 0.28, 0.00, 0.02
HSL	198°, 96%, 51%
HSV	198°, 97%, 98%
XYZ	33.4756, 39.1940, 96.2433
YIQ	135.9650, -124.7070, -14.1710

Conversions

Conversions Part 2

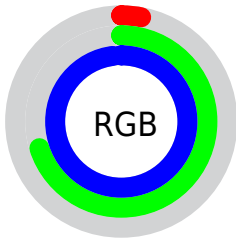
Format	Color
RYB	8, 108, 250
Decimal	570362
CIELab	68.89, -12.81, -45.58
CIELCh	69, 47.342, 254.301
Yxy	39.1940, 0.1982, 0.2320
Android (android.graphics.Color)	4278760442 (0xFF08B3FA)
YUV	135.9650, 56.2193, -112.2253
Hunter-Lab	62.6051, -14.1132, -47.3234

Details

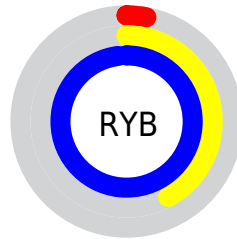
The XYZ color **33.4756, 39.1940, 96.2433** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **42.2703, 25.9445, 3.0118**, and the grayscale version is **23.2273, 24.4369, 26.6118**.

A 20% lighter version of the original color is **54.5684, 70.1474, 105.2715**, and **17.0865, 18.7720, 53.1749** is the 20% darker color. If you saturate the color by 10%, you get **32.9050, 38.2013, 96.0826**, and if you desaturate by 10%, it is **35.5155, 42.4875, 96.7723**.

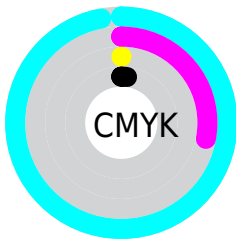
Distribution



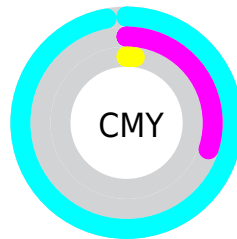
- Red (3%)
- Green (70%)
- Blue (98%)



- Red (3%)
- Yellow (42%)
- Blue (98%)



- Cyan (97%)
- Magenta (28%)
- Yellow (0%)
- Black (2%)





- Cyan (97%)
- Magenta (30%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4756, 39.1940, 96.2433 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 33.4756, 39.1940, 96.2433 by changing the saturation by 10% instead.


 33.4756, 39.1940,
96.2433


 33.4756, 39.1940,
96.2433


309.4146,
342.7146, 569.2234


 22.6520, 26.9107,
72.5676

 64.4671, 73.9346,
157.9915

 14.4560, 17.5062,
53.1328


 85.3657, 97.1607,
196.9011

 8.5223, 10.5960,
37.5204


 110.3533,
124.8031, 241.7257

 4.4856, 5.7959,
25.3117

 139.7953,
157.2463, 292.8839

 1.9803, 2.7214,
16.0883

 174.0571,
194.8746, 350.7942

 0.6229, 0.9881,
9.4316

213.5040,

 0.0000, 0.0000,

238.0725, 415.8752

4.9231

258.5014,
287.2244, 488.5454

■ 0.0000, 0.0000,
2.1443

■ 0.0000, 0.0000,
0.6419

■ 33.4756, 39.1940,
96.2433

■ 33.4756, 39.1940,
96.2433

■ 32.9050, 38.2013,
96.0826

■ 35.5155, 42.4875,
96.7723

■ 38.2245, 46.2434,
97.3545

■ 41.7190, 50.5238,
97.9965

■ 46.0902, 55.3775,
98.7030

■ 51.4159, 60.8461,
99.4778

■ 57.7648, 66.9668,
100.3246

■ 65.1991, 73.7731,
101.2466

■ 73.7757, 81.2959,
102.2466

■ 83.5473, 89.5640,
103.3274

Harmonies

Analogous

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



27.8331, 39.1940, 78.6234



33.4756, 39.1940, 96.2433



40.9397, 39.1940, 96.6938

Triad

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



33.4756, 39.1940, 96.2433



53.0940, 39.1940, 33.2422



28.0390, 39.1940, 19.3701

Complementary

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



33.4756, 39.1940, 96.2433



42.2703, 25.9445, 3.0118

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.



33.7940, 39.1940, 13.8114



33.4756, 39.1940, 96.2433



48.5888, 39.1940, 19.7952

Square

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



33.4756, 39.1940, 96.2433



52.9784, 39.1940, 54.8900



41.3038, 39.1940, 13.9351



24.9946, 39.1940, 32.4226

Rectangle

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



33.4756, 39.1940, 96.2433



46.0097, 39.1940, 86.8390



41.3038, 39.1940, 13.9351



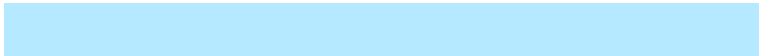
29.6840, 39.1940, 16.7933

Sweetspot

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



33.4771, 39.1953, 96.2443



66.3410, 75.4963, 105.6834



35.6132, 68.9544, 18.3837



13.4827, 15.5046, 22.5320



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.



33.4771, 39.1953, 96.2443



34.4044, 39.9288, 100.5015



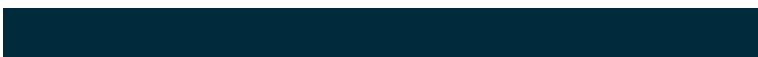
18.9983, 10.2379, 91.4181



17.3104, 18.6977, 22.0820



17.5844, 20.5243, 51.0083



1.7203, 2.0843, 4.7548

Inverse Universe

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



47.6492, 23.7542, 44.7225



49.4949, 24.5620, 45.4000



59.5680, 60.5400, 8.7777



17.7632, 17.4327, 20.6089



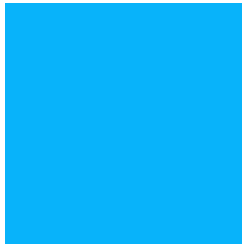
25.1678, 12.4828, 23.3898



2.3773, 1.1746, 2.4100

Previews

White Background



This preview shows how the XYZ color 33.4756, 39.1940, 96.2433 looks on a white background.

Color Contrast Check

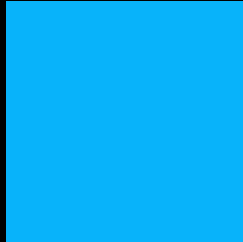
Large Text (above 18pt) WCAG AA × Fail

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 33.4756, 39.1940, 96.2433 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

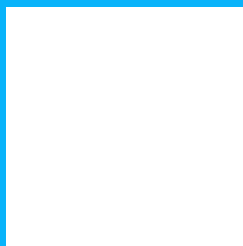
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4756, 39.1940, 96.2433

Background



This preview shows how black text looks on a background with the XYZ color 33.4756, 39.1940, 96.2433.

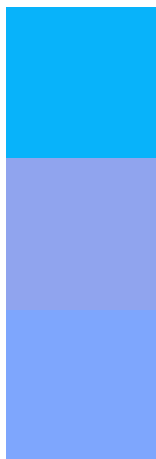


This preview shows how white text looks on a background with the XYZ color 33.4756, 39.1940,

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

33.4756, 39.1940, 96.2433

Protanopia

40.2097, 38.6533, 86.2305

Deuteranopia

39.9700, 38.7999, 98.3110



Tritanopia

27.8677, 39.2413, 60.1384

Trichromacy



Original Color

33.4756, 39.1940, 96.2433

Protanomaly

34.9343, 37.2196, 89.3473

Deuteranomaly

35.7009, 37.9931, 97.5472

Tritanomaly

29.6259, 38.9483, 72.2860

Monochromacy



Original Color

33.4756, 39.1940, 96.2433

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.2839, 27.7546, 45.7250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4756, 39.1940, 96.2433 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(8, 179, 250)` looks like.

```
.text, #text, p{  
    color:rgb(8, 179, 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(8, 179, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 179, 250) }
```

Border

The CSS property to change the border of an element to XYZ 33.4756, 39.1940, 96.2433 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(8, 179, 250) }
```


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

```
.border{ border-color:rgb(8, 179, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 179, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 179, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 179, 250);  
box-shadow:4px 4px 4px 4px rgb(8, 179,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4756, 39.1940, 96.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 179, 250) }
```

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

```
.background{ background-color: rgb(8, 179,  
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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