

Converting Colors

XYZ(39.5023, 66.5506, 50.8881)

Have a look what the booklet for
XYZ(39.5023, 66.5506, 50.8881)
contains.

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Color

**XYZ(39.5301, 66.6314,
50.8221)**

Conversions

Conversions Part 1

Format	Color
Hex	0BF2AE
RGB	11, 242, 174
RGB Percent	4%, 95%, 68%
CMY	0.9568, 0.0510, 0.3176
CMYK	0.95, 0.00, 0.28, 0.05
HSL	162°, 91%, 50%
HSV	162°, 95%, 95%
XYZ	39.5301, 66.6314, 50.8221
YIQ	165.1790, -115.8480, -70.1200

Conversions

Conversions Part 2

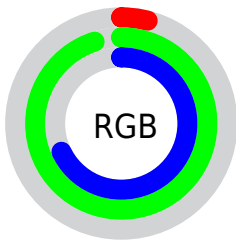
Format	Color
R_{YB}	11, 146, 242
Decimal	783022
CIE Lab	85.32, -63.49, 19.54
CIE LCh	85, 66.432, 162.891
Yxy	66.6314, 0.2518, 0.4244
Android (android.graphics.Color)	4278973102 (0xFF0BF2AE)
YUV	165.1790, 4.3488, -135.2150
Hunter-Lab	81.6281, -56.4067, 20.2253

Details

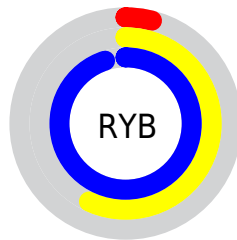
The XYZ color **39.5301, 66.6314, 50.8221** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **38.1517, 19.6829, 9.1912**, and the grayscale version is **35.8746, 37.7428, 41.1019**.

A 20% lighter version of the original color is **56.9824, 80.8106, 87.4576**, and **20.5917, 35.6615, 23.8872** is the 20% darker color. If you saturate the color by 10%, you get **39.0807, 66.4376, 49.1700**, and if you desaturate by 10%, it is **40.8078, 67.2094, 54.6064**.

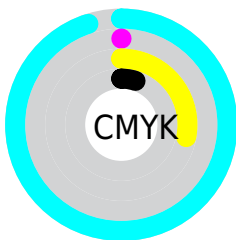
Distribution



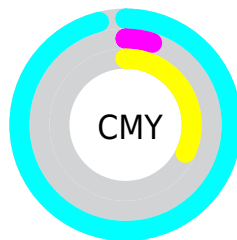
- Red (4%)
- Green (95%)
- Blue (68%)



- Red (4%)
- Yellow (57%)
- Blue (95%)



- Cyan (95%)
- Magenta (0%)
- Yellow (28%)
- Black (5%)





- Cyan (96%)
- Magenta (5%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5301, 66.6314, 50.8221 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 39.5301, 66.6314, 50.8221 by changing the saturation by 10% instead.


 39.5301, 66.6314,
50.8221


 39.5301, 66.6314,
50.8221


335.3075,
448.6316, 406.6990


 27.3549, 48.7851,
35.6913


 73.7363, 114.3921,
92.8006


 17.9779, 34.4491,
23.9081


 96.4981, 145.0753,
120.4853


 11.0337, 23.2388,
15.0539

 123.5195,
180.8063, 153.1918

 6.1570, 14.7699,
8.7102

 155.1658,
221.9694, 191.3385

 2.9823, 8.6581,
4.4584

 191.8024,
268.9491, 235.3441

 1.1444, 4.5188,
1.8800

233.7946,

 0.0618, 1.9678,

322.1298, 285.6270

0.4800

281.5079,
381.8958, 342.6058

■ 0.0000, 0.5887,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.5301, 66.6314,
50.8221

■ 39.5301, 66.6314,
50.8221

■ 39.0807, 66.4376,
49.1700

■ 40.8078, 67.2094,
54.6064

■ 42.6868, 68.0913,
58.6126

■ 45.2694, 69.3316,
62.8498

■ 48.6371, 70.9721,
67.3246

■ 52.8601, 73.0491,
72.0429

■ 58.0003, 75.5944,
77.0104

■ 64.1139, 78.6368,
82.2322

■ 71.2525, 82.2029,
87.7134

■ 79.4638, 86.3174,
93.4586

Harmonies

Analogous

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



45.6271, 66.6314, 27.2348



39.5301, 66.6314, 50.8221



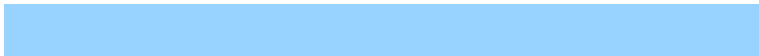
39.1293, 66.6314, 92.6268

Triad

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



39.5301, 66.6314, 50.8221



70.0001, 66.6314, 186.8424



86.9534, 66.6314, 29.5389

Complementary

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



39.5301, 66.6314, 50.8221



38.1517, 19.6829, 9.1912

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.



95.8882, 66.6314, 55.6070



39.5301, 66.6314, 50.8221



85.1082, 66.6314, 151.6587

Square

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



39.5301, 66.6314, 50.8221



55.2033, 66.6314, 183.8951



95.1640, 66.6314, 99.7273



72.2200, 66.6314, 18.7115

Rectangle

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



39.5301, 66.6314, 50.8221



42.0304, 66.6314, 127.4196



95.1640, 66.6314, 99.7273



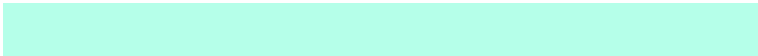
90.8318, 66.6314, 36.2457

Sweetspot

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



39.5319, 66.6340, 50.8237



69.5684, 87.2461, 90.4355



35.1493, 65.2503, 11.0595



14.2683, 18.3647, 18.8205



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.



39.5319, 66.6340, 50.8237



43.9906, 74.8122, 55.2618



35.8628, 45.8760, 90.9723



16.0375, 17.8450, 19.2204



21.0564, 35.7146, 26.7436



1.7950, 2.9884, 2.4528

Inverse Universe

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



38.1517, 19.6829, 9.1912



42.5126, 21.7690, 8.6312



38.1541, 21.8505, 2.5241



15.9642, 15.8354, 17.3679



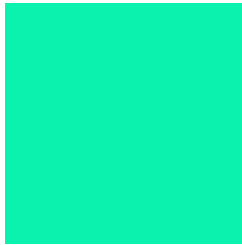
20.3386, 10.4079, 4.4336



1.7339, 0.8826, 0.5897

Previews

White Background



This preview shows how the XYZ color 39.5301, 66.6314, 50.8221 looks on a white background.

Color Contrast Check

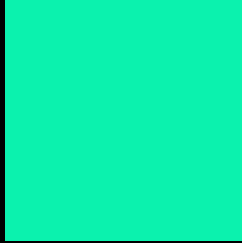
Large Text (above 18pt) WCAG AA × Fail

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 39.5301, 66.6314, 50.8221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

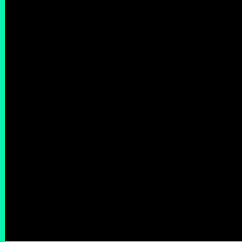
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5301, 66.6314, 50.8221

Background



This preview shows how black text looks on a background with the XYZ color 39.5301, 66.6314, 50.8221.

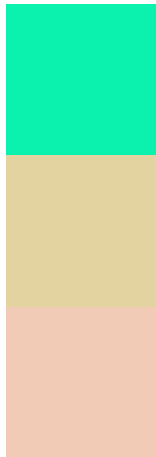


This preview shows how white text looks on a background with the XYZ color 39.5301, 66.6314,

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

39.5301, 66.6314, 50.8221

Protanopia

61.0035, 65.2953, 42.6457

Deuteranopia

66.5211, 65.0080, 53.8415



Tritanopia

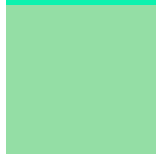
49.5775, 66.3837, 101.4671

Trichromacy



Original Color

39.5301, 66.6314, 50.8221



Protanomaly

45.1255, 61.2551, 45.0424



Deuteranomaly

47.1516, 60.1901, 52.3127



Tritanomaly

44.8903, 66.1308, 80.2106

Monochromacy



Original Color

39.5301, 66.6314, 50.8221



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.4445, 44.2183, 43.8708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5301, 66.6314, 50.8221 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(11, 242, 174)` looks like.

```
.text, #text, p{  
    color:rgb(11, 242, 174)  
}
```

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(11, 242, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 242, 174) }
```

Border

The CSS property to change the border of an element to XYZ 39.5301, 66.6314, 50.8221 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(11, 242, 174) }
```


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

```
.border{ border-color:rgb(11, 242, 174) }
```

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

Here you see how a box with a 4 pixel rgb(11, 242, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 242, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 242, 174);  
box-shadow:4px 4px 4px 4px rgb(11, 242,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5301, 66.6314, 50.8221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 242, 174) }
```

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

```
.background{ background-color: rgb(11, 242,  
174) }
```

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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