

Converting Colors

XYZ(39.0536, 50.1367, 68.3106)

Have a look what the booklet for
XYZ(39.0536, 50.1367, 68.3106)
contains.

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Color

**XYZ(39.0601, 50.1454,
68.5931)**

Conversions

Conversions Part 1

Format	Color
Hex	6DCAD2
RGB	109, 202, 210
RGB Percent	43%, 79%, 82%
CMY	0.5725, 0.2078, 0.1765
CMYK	0.48, 0.04, 0.00, 0.18
HSL	185°, 53%, 63%
HSV	185°, 48%, 82%
XYZ	39.0601, 50.1454, 68.5931
YIQ	175.1050, -57.9960, -17.2280

Conversions

Conversions Part 2

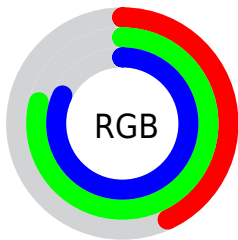
Format	Color
R _{YB}	109, 157, 210
Decimal	7195346
CIE Lab	76.16, -25.50, -12.56
CIE LCh	76, 28.422, 206.217
Yxy	50.1454, 0.2475, 0.3178
Android (android.graphics.Color)	4285385426 (0xFF6DCAD2)
YUV	175.1050, 17.2032, -57.9741
Hunter-Lab	70.8134, -25.4643, -7.8616

Details

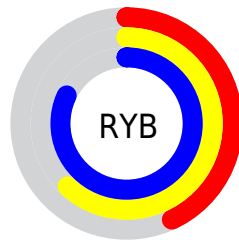
The XYZ color **39.0601, 50.1454, 68.5931** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.7010, 27.5294, 17.9015**, and the grayscale version is **40.7385, 42.8601, 46.6747**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **17.8096, 24.2085, 35.1865** is the 20% darker color. If you saturate the color by 10%, you get **36.3912, 48.1945, 68.3581**, and if you desaturate by 10%, it is **42.3534, 52.4267, 68.8608**.

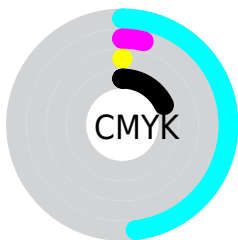
Distribution



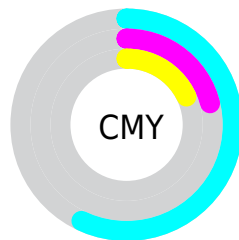
- Red (43%)
- Green (79%)
- Blue (82%)



- Red (43%)
- Yellow (62%)
- Blue (82%)



- Cyan (48%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)



- Cyan (57%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0601, 50.1454, 68.5931 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 39.0601, 50.1454, 68.5931 by changing the saturation by 10% instead.

39.0601, 50.1454,
68.5931

39.0601, 50.1454,
68.5931

333.3487,
387.2343, 474.2495

26.9874, 35.5289,
49.9107

73.0236, 90.3903,
118.8624

17.7003, 24.0706,
34.9718

95.6451, 116.7875,
151.2865

10.8334, 15.3860,
23.3577

122.5137,
147.8804, 189.1281

6.0214, 9.0907,
14.6501

153.9946,
184.0534, 232.8059

2.8989, 4.8004,
8.4303

190.4531,
225.6909, 282.7384

1.1005, 2.1306,
4.2798

232.2548,

0.0256, 0.6818,

273.1773, 339.3442

1.7801

279.7649,
326.8969, 403.0417

■ 0.0000, 0.0000,
0.4148

■ 0.0000, 0.0000,
0.0000

■ 39.0601, 50.1454,
68.5931

■ 39.0601, 50.1454,
68.5931

■ 36.3912, 48.1945,
68.3581

■ 42.3534, 52.4267,
68.8608

■ 34.2973, 46.5451,
68.1501


■ 46.3067, 55.0534,
69.1594


■ 32.7294, 45.1731,
67.9679


■ 50.9585, 58.0464,
69.4919


■ 31.6279, 44.0477,
67.8087


■ 56.3428, 61.4234,
69.8600


 30.9056, 43.1239,
67.6685


 62.4916, 65.2008,
70.2650

 30.7851, 42.9574,
67.6427

 69.4348, 69.3941,
70.7084

 76.8297, 73.8266,
71.1742

 77.2519, 74.6709,
71.3150

 77.6783, 75.5238,
71.4571

Harmonies

Analogous

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



38.1649, 50.1454, 52.6892



39.0601, 50.1454, 68.5931



42.1963, 50.1454, 82.7519

Triad

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



39.0601, 50.1454, 68.5931



56.6805, 50.1454, 72.5661



48.3399, 50.1454, 30.2718

Complementary

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



39.0601, 50.1454, 68.5931



35.7010, 27.5294, 17.9015

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.



53.5798, 50.1454, 33.6887



39.0601, 50.1454, 68.5931



58.6161, 50.1454, 56.5560

Square

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



39.0601, 50.1454, 68.5931



52.3256, 50.1454, 85.3291



57.4416, 50.1454, 42.6521



43.2835, 50.1454, 32.3068

Rectangle

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



39.0601, 50.1454, 68.5931



45.2656, 50.1454, 88.2853



57.4416, 50.1454, 42.6521



50.1409, 50.1454, 30.8012

Sweetspot

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



39.0616, 50.1473, 68.5943



82.2185, 92.0561, 108.0430



32.4914, 50.6002, 24.4976



17.2197, 19.4652, 23.0995



0.0000, 0.0000, 0.0000



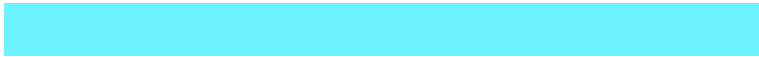
20.3446, 21.4041, 23.3091

Same Dimension

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



39.0616, 50.1473, 68.5943



56.2621, 74.6254, 106.0466



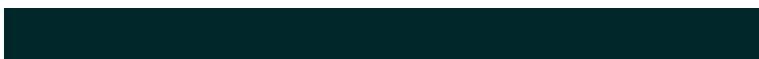
29.2940, 30.6120, 65.3384



12.0750, 13.2402, 15.1628



18.8126, 26.2717, 41.2719



1.0762, 1.5175, 2.3158

Inverse Universe

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



42.7090, 28.9046, 59.2073



62.7293, 38.2847, 89.1053



43.0185, 42.1645, 20.3407



12.2687, 11.9922, 14.6909



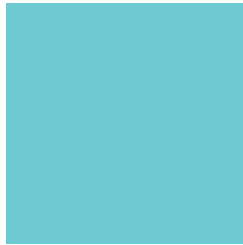
22.1264, 10.7234, 31.9017



1.2494, 0.6045, 1.8483

Previews

White Background



This preview shows how the XYZ color 39.0601, 50.1454, 68.5931 looks on a white background.

Color Contrast Check

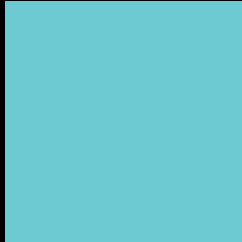
Large Text (above 18pt) WCAG AA × Fail

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 39.0601, 50.1454, 68.5931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

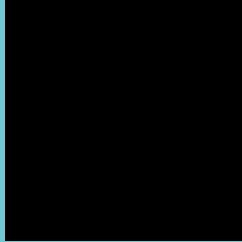
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.0601, 50.1454, 68.5931

Background



This preview shows how black text looks on a background with the XYZ color 39.0601, 50.1454, 68.5931.

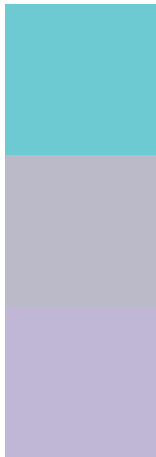


This preview shows how white text looks on a background with the XYZ color 39.0601, 50.1454,

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

39.0601, 50.1454, 68.5931

Protanopia

48.2339, 49.7270, 61.6997

Deuteranopia

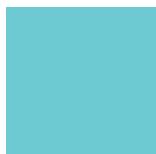
50.6038, 49.5174, 70.5090



Tritanopia

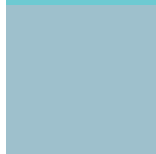
39.9666, 50.1625, 73.2215

Trichromacy



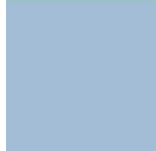
Original Color

39.0601, 50.1454, 68.5931



Protanomaly

43.8493, 49.3280, 64.3369



Deuteranomaly

45.1081, 48.8807, 70.0083



Tritanomaly

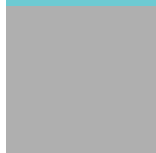
39.4547, 49.9433, 71.1789

Monochromacy



Original Color

39.0601, 50.1454, 68.5931



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

39.1886, 44.9081, 54.1796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0601, 50.1454, 68.5931 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(109, 202, 210)` looks like.

```
.text, #text, p{  
    color:rgb(109, 202, 210)  
}
```

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(109, 202, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 202, 210) }
```

Border

The CSS property to change the border of an element to XYZ 39.0601, 50.1454, 68.5931 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(109, 202, 210) }
```


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

```
.border{ border-color:rgb(109, 202, 210) }
```

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

Here you see how a box with a 4 pixel rgb(109, 202, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 202, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 202, 210);  
box-shadow:4px 4px 4px 4px rgb(109, 202,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0601, 50.1454, 68.5931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 202, 210) }
```

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

```
.background{ background-color: rgb(109,  
202, 210) }
```

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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