

Converting Colors

XYZ(39.5203, 50.9970, 86.9450)

Have a look what the booklet for
XYZ(39.5203, 50.9970, 86.9450)
contains.

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Color

**XYZ(39.5702, 51.0584,
87.1266)**

Conversions

Conversions Part 1

Format	Color
Hex	47CDEC
RGB	71, 205, 236
RGB Percent	28%, 80%, 93%
CMY	0.7215, 0.1961, 0.0745
CMYK	0.70, 0.13, 0.00, 0.07
HSL	191°, 81%, 60%
HSV	191°, 70%, 93%
XYZ	39.5702, 51.0584, 87.1266
YIQ	168.4680, -89.8150, -18.7670

Conversions

Conversions Part 2

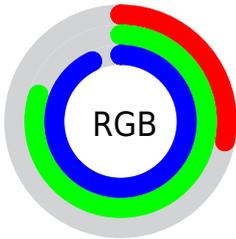
Format	Color
RYB	71, 145, 236
Decimal	4705772
CIELab	76.71, -26.28, -25.83
CIELCh	77, 36.848, 224.497
Yxy	51.0584, 0.2226, 0.2872
Android (android.graphics.Color)	4282895852 (0xFF47CDEC)
YUV	168.4680, 33.2933, -85.4794
Hunter-Lab	71.4552, -26.1974, -22.2748

Details

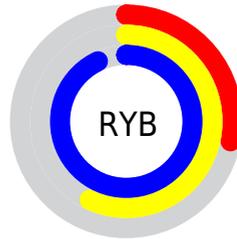
The XYZ color **39.5702, 51.0584, 87.1266** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **40.4824, 27.7927, 9.1939**, and the grayscale version is **37.3246, 39.2684, 42.7633**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **19.1446, 25.1080, 47.0173** is the 20% darker color. If you saturate the color by 10%, you get **37.1181, 48.2429, 86.7134**, and if you desaturate by 10%, it is **42.7273, 54.2839, 87.5838**.

Distribution



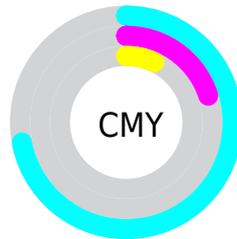
- Red (28%)
- Green (80%)
- Blue (93%)



- Red (28%)
- Yellow (57%)
- Blue (93%)



- Cyan (70%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (72%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5702, 51.0584, 87.1266 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 39.5702, 51.0584, 87.1266 by changing the saturation by 10% instead.

39.5702, 51.0584,
87.1266

39.5702, 51.0584,
87.1266

335.4743,
390.7906, 538.9658

27.3863, 36.2551,
65.0398

73.7971, 91.7411,
145.2410

18.0017, 24.6313,
47.0418

96.5708, 118.3893,
182.1057

11.0509, 15.8026,
32.7141

123.6052,
149.7545, 224.7333

6.1686, 9.3845,
21.6382

155.2656,
186.2212, 273.5425

2.9895, 4.9928,
13.3955

191.9173,
228.1738, 328.9519

1.1482, 2.2431,
7.5675

233.9258,

0.0649, 0.7433,

275.9966, 391.3798

3.7357

281.6563,
330.0741, 461.2449

■ 0.0000, 0.0000,
1.4815

■ 0.0000, 0.0000,
0.2041

■ 39.5702, 51.0584,
87.1266

■ 39.5702, 51.0584,
87.1266

■ 37.1181, 48.2429,
86.7134

■ 42.7273, 54.2839,
87.5838

■ 35.2831, 45.7889,
86.3364

■ 46.6543, 57.9504,
88.0845

■ 33.9272, 43.6257,
85.9903

■ 51.4140, 62.0914,
88.6329

■ 33.9159, 43.6070,
85.9873

■ 57.0612, 66.7356,
89.2317

 63.6460, 71.9092,
89.8833

 71.2146, 77.6364,
90.5898

 79.8101, 83.9397,
91.3534

 87.6806, 89.9163,
92.0922

 89.0053, 92.5658,
92.5338

Harmonies

Analogous

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



36.6585, 51.0584, 65.7836



39.5702, 51.0584, 87.1266



45.0290, 51.0584, 101.4786

Triad

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



39.5702, 51.0584, 87.1266



62.6484, 51.0584, 66.5164



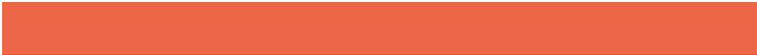
45.2461, 51.0584, 26.0615

Complementary

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



39.5702, 51.0584, 87.1266



40.4824, 27.7927, 9.1939

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.



52.2068, 51.0584, 26.1671



39.5702, 51.0584, 87.1266



62.7208, 51.0584, 46.5148

Square

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



39.5702, 51.0584, 87.1266



58.5590, 51.0584, 87.7727



58.7483, 51.0584, 32.7676



39.7160, 51.0584, 32.4330

Rectangle

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



39.5702, 51.0584, 87.1266



49.5895, 51.0584, 103.4032



58.7483, 51.0584, 32.7676



47.4846, 51.0584, 25.3999

Sweetspot

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



39.5719, 51.0603, 87.1278



74.8925, 84.9679, 107.0609



34.9568, 62.2763, 22.5567



15.5476, 17.8112, 22.8684



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.



39.5719, 51.0603, 87.1278



43.1949, 56.1641, 103.1719



24.8548, 21.6261, 82.2222



15.2631, 16.6127, 19.3244



18.7847, 24.2164, 47.4271



1.5371, 2.0257, 3.7449

Inverse Universe

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



47.8662, 26.7488, 60.3997



54.2605, 27.7258, 66.6176



52.8197, 52.4671, 13.3063



15.5864, 15.2624, 18.3731



24.3369, 11.9375, 28.6394



1.9424, 0.9499, 2.4138

Previews

White Background



This preview shows how the XYZ color 39.5702, 51.0584, 87.1266 looks on a white background.

Color Contrast Check

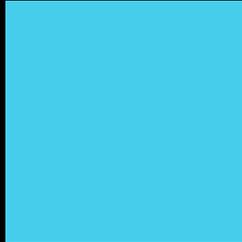
Large Text (above 18pt) WCAG AA × Fail

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 39.5702, 51.0584, 87.1266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

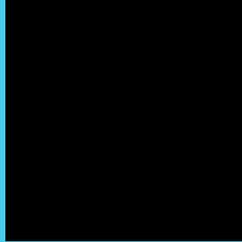
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

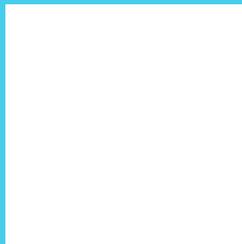
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.5702, 51.0584, 87.1266

Background



This preview shows how black text looks on a background with the XYZ color 39.5702, 51.0584, 87.1266.

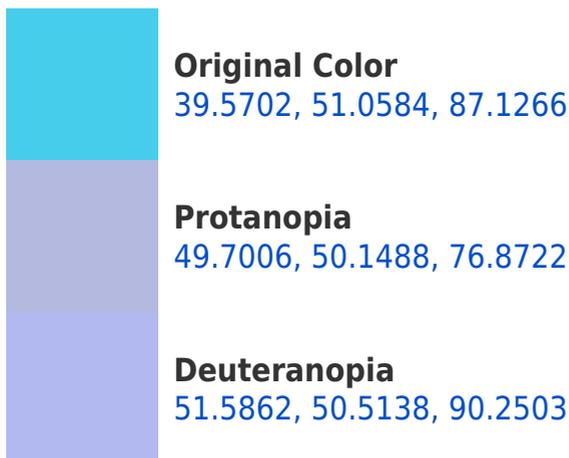


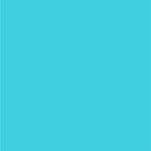
This preview shows how white text looks on a background with the XYZ color 39.5702, 51.0584,

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





Tritanopia

37.8173, 51.0642, 78.3842

Trichromacy



Original Color

39.5702, 51.0584, 87.1266

Protanomaly

43.8888, 49.3168, 80.6047

Deuteranomaly

45.0771, 49.4202, 88.8246

Tritanomaly

38.3217, 50.9023, 81.2042

Monochromacy



Original Color

39.5702, 51.0584, 87.1266

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.8224, 41.8845, 56.6486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5702, 51.0584, 87.1266 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(71, 205, 236)` looks like.

```
.text, #text, p{  
    color:rgb(71, 205, 236)  
}
```

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(71, 205, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 205, 236) }
```

Border

The CSS property to change the border of an element to XYZ 39.5702, 51.0584, 87.1266 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(71, 205, 236) }
```

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

```
.border{ border-color:rgb(71, 205, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 205, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 205, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 205, 236);  
box-shadow:4px 4px 4px 4px rgb(71, 205,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5702, 51.0584, 87.1266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 205, 236) }
```

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

```
.background{ background-color: rgb(71, 205,  
236) }
```

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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