

Converting Colors

XYZ(36.5641, 49.1037,
100.7589)

Have a look what the booklet for
XYZ(36.5641, 49.1037, 100.7589)
contains.

XYZ(39.5609, 50.7545, 100.6400)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.5609, 50.7545,
100.6400)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDFD
RGB	0, 205, 253
RGB Percent	0%, 80%, 99%
CMY	0.9997, 0.1961, 0.0078
CMYK	1.00, 0.19, 0.00, 0.01
HSL	191°, 100%, 50%
HSV	191°, 100%, 99%
XYZ	39.5609, 50.7545, 100.6400
YIQ	149.1770, -137.5880, -28.5320

Conversions

Conversions Part 2

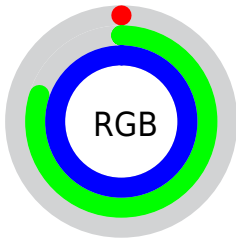
Format	Color
RYB	0, 113, 253
Decimal	52733
CIELab	76.53, -25.52, -35.29
CIELCh	77, 43.546, 234.126
Yxy	50.7545, 0.2072, 0.2658
Android (android.graphics.Color)	4278242813 (0xFF00CDFD)
YUV	149.1770, 51.1847, -130.8282
Hunter-Lab	71.2422, -25.5525, -33.8862

Details

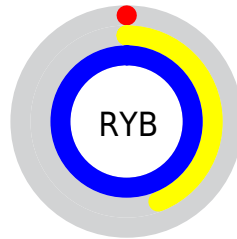
The XYZ color **39.5609, 50.7545, 100.6400** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **41.5686, 23.0026, 2.2510**, and the grayscale version is **28.4838, 29.9672, 32.6342**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.0304, 26.1187, 56.1576** is the 20% darker color. If you saturate the color by 10%, you get **39.5586, 50.7494, 100.6402**, and if you desaturate by 10%, it is **41.1381, 53.2997, 101.0492**.

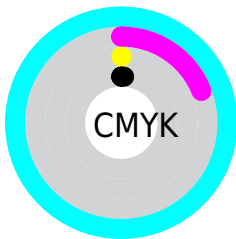
Distribution



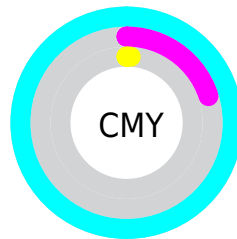
- Red (0%)
- Green (80%)
- Blue (99%)



- Red (0%)
- Yellow (44%)
- Blue (99%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (20%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5609, 50.7545, 100.6400 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 39.5609, 50.7545, 100.6400 by changing the saturation by 10% instead.


 39.5609, 50.7545,
100.6400


 39.5609, 50.7545,
100.6400


335.4356,
389.6092, 583.5068


 27.3790, 36.0133,
76.2153


 73.7830, 91.2918,
164.0959


 17.9962, 24.4444,
56.1013

 96.5540, 117.8566,
203.9643


 11.0469, 15.6636,
39.8796


 123.5853,
149.1314, 249.8175

 6.1659, 9.2864,
27.1316

 155.2424,
185.5006, 302.0742

 2.9878, 4.9285,
17.4388

 191.8906,
227.3486, 361.1530

 1.1473, 2.2054,
10.3826

233.8954,

 0.0642, 0.7229,

275.0598, 427.4723

5.5444

281.6219,
329.0185, 501.4508

■ 0.0000, 0.0000,
2.5058

■ 0.0000, 0.0000,
0.8433

■ 39.5609, 50.7545,
100.6400

■ 39.5609, 50.7545,
100.6400

■ 39.5586, 50.7494,
100.6402

■ 41.1381, 53.2997,
101.0492

■ 43.2785, 56.1871,
101.4937

■ 46.1456, 59.5025,
101.9825

■ 49.8384, 63.2971,
102.5203

■ 54.4401, 67.6144,
103.1111

■ 60.0232, 72.4922,
103.7583

■ 66.6530, 77.9646,
104.4652

■ 74.3887, 84.0625,
105.2345

■ 83.2852, 90.8146,
106.0689

Harmonies

Analogous

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



35.2090, 50.7545, 75.9002



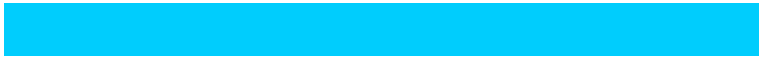
39.5609, 50.7545, 100.6400



46.6415, 50.7545, 113.6073

Triad

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



39.5609, 50.7545, 100.6400



65.7276, 50.7545, 60.0250



42.0660, 50.7545, 23.3969

Complementary

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



39.5609, 50.7545, 100.6400



41.5686, 23.0026, 2.2510

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.



49.8759, 50.7545, 21.3641



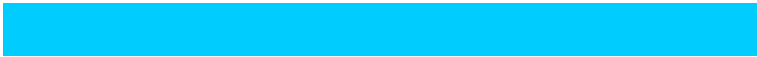
39.5609, 50.7545, 100.6400



64.1461, 50.7545, 38.7532

Square

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



39.5609, 50.7545, 100.6400



62.2105, 50.7545, 86.2496



58.1052, 50.7545, 26.1066



36.5363, 50.7545, 32.7600

Rectangle

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



39.5609, 50.7545, 100.6400



52.2006, 50.7545, 111.7890



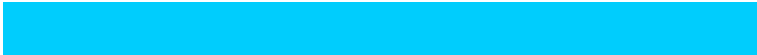
58.1052, 50.7545, 26.1066



44.4862, 50.7545, 21.9698

Sweetspot

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



39.5626, 50.7563, 100.6413



67.8274, 79.3490, 106.3487



35.6284, 70.4525, 14.3515



13.8802, 16.4650, 22.6964



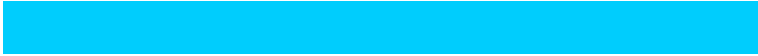
0.0000, 0.0000, 0.0000



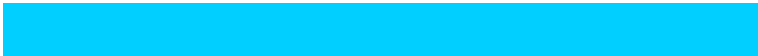
20.3446, 21.4041, 23.3091

Same Dimension

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



39.5626, 50.7563, 100.6413



40.2682, 51.6563, 102.4561



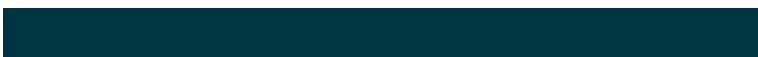
20.6114, 12.8539, 94.3242



18.2446, 19.8609, 23.1219



21.1456, 27.2008, 53.5704



2.1308, 2.7924, 5.2399

Inverse Universe

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



51.5290, 25.2923, 59.9253



52.4547, 25.7459, 60.9858



55.4345, 50.7343, 6.8730



18.6361, 18.2378, 21.9670



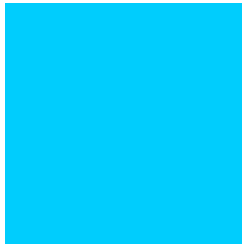
27.4615, 13.4739, 32.1446



2.7102, 1.3264, 3.3211

Previews

White Background



This preview shows how the XYZ color 39.5609, 50.7545, 100.6400 looks on a white background.

Color Contrast Check

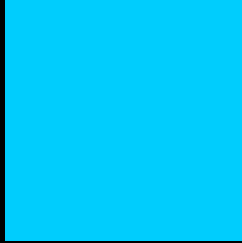
Large Text (above 18pt) WCAG AA × Fail

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 39.5609, 50.7545, 100.6400 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 39.5609, 50.7545, 100.6400

Background



This preview shows how black text looks on a background with the XYZ color 39.5609, 50.7545, 100.6400.

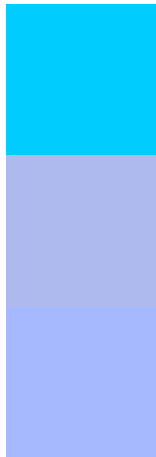


This preview shows how white text looks on a background with the XYZ color 39.5609, 50.7545,

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

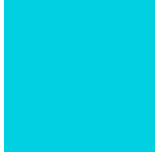
39.5609, 50.7545, 100.6400

Protanopia

50.2371, 49.8696, 87.8669

Deuteranopia

51.1248, 50.0249, 101.5689



Tritanopia

36.1465, 50.5480, 79.0858

Trichromacy



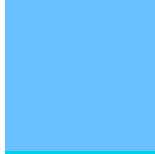
Original Color

39.5609, 50.7545, 100.6400



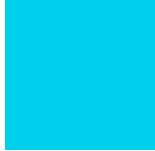
Protanomaly

41.5828, 47.5498, 91.7804



Deuteranomaly

42.6829, 47.9192, 100.7656



Tritanomaly

37.3082, 50.6238, 86.4023

Monochromacy



Original Color

39.5609, 50.7545, 100.6400



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.8769, 34.3967, 52.1837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5609, 50.7545, 100.6400 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, 205, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 253)  
}
```

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, 205, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 253) }
```

Border

The CSS property to change the border of an element to XYZ 39.5609, 50.7545, 100.6400 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, 205, 253) }
```


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

```
.border{ border-color:rgb(0, 205, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5609, 50.7545, 100.6400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 253) }
```

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

```
.background{ background-color: rgb(0, 205,  
253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor