

Converting Colors

XYZ(39.8527, 51.4541, 99.9287)

Have a look what the booklet for
XYZ(39.8527, 51.4541, 99.9287)
contains.

XYZ(39.7296, 51.2161, 99.8872)	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(39.7296, 51.2161,
99.8872)**

Conversions

Conversions Part 1

Format	Color
Hex	07CEFC
RGB	7, 206, 252
RGB Percent	3%, 81%, 99%
CMY	0.9723, 0.1921, 0.0118
CMYK	0.97, 0.18, 0.00, 0.01
HSL	191°, 98%, 51%
HSV	191°, 97%, 99%
XYZ	39.7296, 51.2161, 99.8872
YIQ	151.7430, -133.3700, -27.8820

Conversions

Conversions Part 2

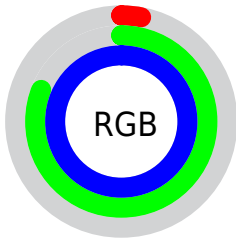
Format	Color
RYB	7, 117, 252
Decimal	511740
CIELab	76.81, -26.19, -34.32
CIELCh	77, 43.171, 232.645
Yxy	51.2161, 0.2082, 0.2684
Android (android.graphics.Color)	4278701820 (0xFF07CEFC)
YUV	151.7430, 49.4267, -126.9396
Hunter-Lab	71.5654, -26.1451, -32.6580

Details

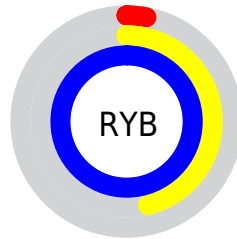
The XYZ color **39.7296, 51.2161, 99.8872** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **41.4603, 23.2636, 2.5082**, and the grayscale version is **29.5790, 31.1194, 33.8891**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **20.9169, 26.0733, 55.5600** is the 20% darker color. If you saturate the color by 10%, you get **39.3245, 50.5356, 99.7782**, and if you desaturate by 10%, it is **41.4035, 53.7969, 100.2981**.

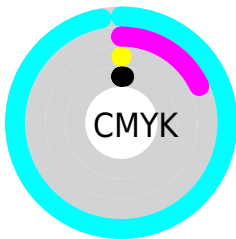
Distribution



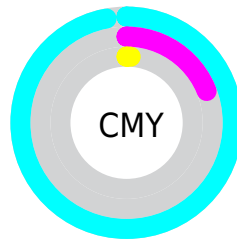
- Red (3%)
- Green (81%)
- Blue (99%)



- Red (3%)
- Yellow (46%)
- Blue (99%)



- Cyan (97%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)





- Cyan (97%)
- Magenta (19%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7296, 51.2161, 99.8872 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 39.7296, 51.2161, 99.8872 by changing the saturation by 10% instead.


 39.7296, 51.2161,
99.8872


 39.7296, 51.2161,
99.8872


336.1366,
391.4028, 581.0746

 27.5111, 36.3806,
75.5900


 74.0385, 91.9741,
163.0527


 18.0960, 24.7283,
55.5917


 96.8596, 118.6655,
202.7580


 11.1190, 15.8747,
39.4739


 123.9457,
150.0775, 248.4365

 6.2148, 9.4356,
26.8179

 155.6619,
186.5947, 300.5066

 3.0180, 5.0264,
17.2053

 192.3738,
228.6015, 359.3870

 1.1633, 2.2627,
10.2175

234.4466,

 0.0771, 0.7539,

276.4821, 425.4960

5.4359

282.2457,
330.6211, 499.2524

■ 0.0000, 0.0000,
2.4420

■ 0.0000, 0.0000,
0.8092

■ 39.7296, 51.2161,
99.8872

■ 39.7296, 51.2161,
99.8872

■ 39.3245, 50.5356,
99.7782

■ 41.4035, 53.7969,
100.2981

■ 43.7049, 56.7516,
100.7472

■ 46.7550, 60.1442,
101.2412

■ 50.6467, 64.0227,
101.7848

■ 55.4588, 68.4285,
102.3815

■ 61.2612, 73.3977,
103.0349

■ 68.1164, 78.9633,
103.7478

■ 76.0821, 85.1551,
104.5231

■ 85.2113, 92.0011,
105.3634

Harmonies

Analogous

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



35.5351, 51.2161, 75.0114



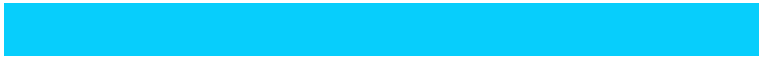
39.7296, 51.2161, 99.8872



46.6897, 51.2161, 113.5748

Triad

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



39.7296, 51.2161, 99.8872



66.0420, 51.2161, 61.7452



42.8601, 51.2161, 23.6213

Complementary

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



39.7296, 51.2161, 99.8872



41.4603, 23.2636, 2.5082

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.



50.7248, 51.2161, 21.9112



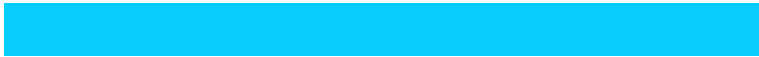
39.7296, 51.2161, 99.8872



64.7209, 51.2161, 40.1302

Square

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



39.7296, 51.2161, 99.8872



62.3121, 51.2161, 87.8785



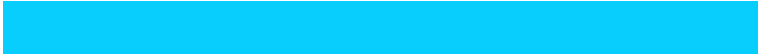
58.8814, 51.2161, 27.0322



37.1959, 51.2161, 32.6184

Rectangle

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



39.7296, 51.2161, 99.8872



52.2116, 51.2161, 112.4163



58.8814, 51.2161, 27.0322



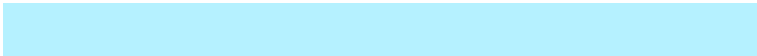
45.3102, 51.2161, 22.3016

Sweetspot

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



39.7313, 51.2179, 99.8885



68.6063, 80.0268, 106.4385



35.5185, 69.9149, 14.8687



14.0307, 16.6008, 22.7147



0.0000, 0.0000, 0.0000



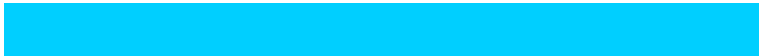
20.3446, 21.4041, 23.3091

Same Dimension

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



39.7313, 51.2179, 99.8885



40.3896, 51.8992, 102.4965



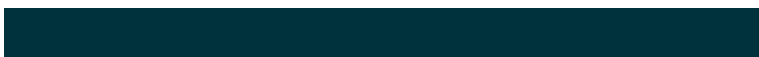
20.8790, 13.5131, 93.6043



17.4725, 19.0218, 22.1360



20.5869, 26.5294, 52.0092



1.9758, 2.5953, 4.8400

Inverse Universe

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



51.3630, 25.3055, 60.5716



52.5160, 25.7704, 61.3086



55.4052, 51.1535, 7.1565



17.8450, 17.4654, 21.0396



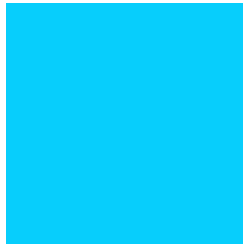
26.6833, 13.0891, 31.3705



2.5062, 1.2262, 3.0891

Previews

White Background



This preview shows how the XYZ color 39.7296, 51.2161, 99.8872 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 39.7296, 51.2161, 99.8872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

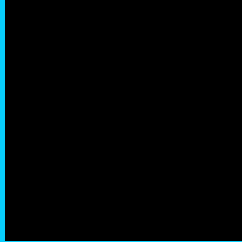
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7296, 51.2161, 99.8872

Background



This preview shows how black text looks on a background with the XYZ color 39.7296, 51.2161, 99.8872.



This preview shows how white text looks on a background with the XYZ color 39.7296, 51.2161,

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

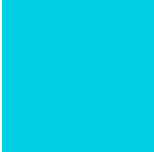
39.7296, 51.2161, 99.8872

Protanopia

50.5242, 50.3462, 87.1756

Deuteranopia

51.7574, 50.6626, 101.6587



Tritanopia

36.5279, 51.0919, 79.8880

Trichromacy



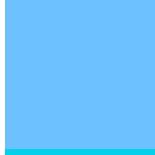
Original Color

39.7296, 51.2161, 99.8872



Protanomaly

42.0364, 48.1281, 91.0785



Deuteranomaly

43.2660, 48.5469, 100.8561



Tritanomaly

37.5888, 51.1293, 86.4851

Monochromacy



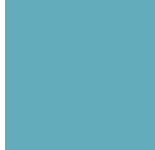
Original Color

39.7296, 51.2161, 99.8872



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.9752, 35.7885, 52.9577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7296, 51.2161, 99.8872 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(7, 206, 252)` looks like.

```
.text, #text, p{  
    color:rgb(7, 206, 252)  
}
```

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(7, 206, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 206, 252) }
```

Border

The CSS property to change the border of an element to XYZ 39.7296, 51.2161, 99.8872 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(7, 206, 252) }
```


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

```
.border{ border-color:rgb(7, 206, 252) }
```

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

Here you see how a box with a 4 pixel rgb(7, 206, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 206, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 206, 252);  
box-shadow:4px 4px 4px 4px rgb(7, 206,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7296, 51.2161, 99.8872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 206, 252) }
```

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

```
.background{ background-color: rgb(7, 206,  
252) }
```

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