

# Converting Colors

XYZ(40.8045, 57.5123,  
100.3696)

Have a look what the booklet for  
XYZ(40.8045, 57.5123, 100.3696)  
contains.

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# Color

**XYZ(43.2690, 58.6779,  
100.3122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DDFB
RGB	0, 221, 251
RGB Percent	0%, 87%, 98%
CMY	0.9997, 0.1333, 0.0157
CMYK	1.00, 0.12, 0.00, 0.02
HSL	187°, 100%, 49%
HSV	187°, 100%, 98%
XYZ	43.2690, 58.6779, 100.3122
YIQ	158.3410, -141.3460, -37.5220

# Conversions

## Conversions Part 2

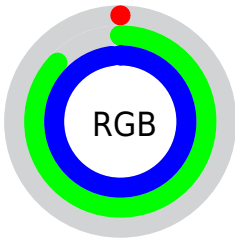
Format	Color
<a href="#">RYB</a>	<a href="#">0, 118, 251</a>
Decimal	<a href="#">56827</a>
CIELab	<a href="#">81.11, -33.96, -27.17</a>
CIELCh	<a href="#">81, 43.491, 218.662</a>
Yxy	<a href="#">58.6779, 0.2139, 0.2901</a>
Android (android.graphics.Color)	<a href="#">4278246907 (0xFF00DDFB)</a>
YUV	<a href="#">158.3410, 45.6809, -138.8651</a>
Hunter-Lab	<a href="#">76.6015, -33.2254, -24.0212</a>

# Details

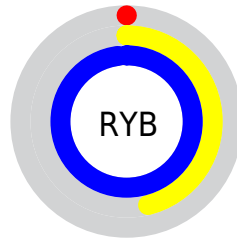
The XYZ color **43.2690, 58.6779, 100.3122** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.2506, 21.4418, 2.0193**, and the grayscale version is **32.5096, 34.2026, 37.2467**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **23.1927, 30.8053, 55.7626** is the 20% darker color. If you saturate the color by 10%, you get **43.2677, 58.6750, 100.3128**, and if you desaturate by 10%, it is **44.4746, 60.4872, 100.5990**.

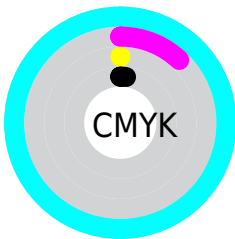
# Distribution



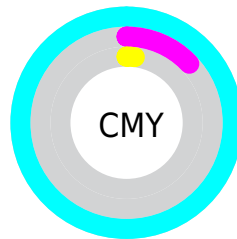
- Red (0%)
- Green (87%)
- Blue (98%)



- Red (0%)
- Yellow (46%)
- Blue (98%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (13%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2690, 58.6779, 100.3122 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 43.2690, 58.6779, 100.3122 by changing the saturation by 10% instead.



43.2690, 58.6779,  
100.3122

43.2690, 58.6779,  
100.3122

350.6197,  
419.7072, 582.4484

30.2917, 42.3539,  
75.9430

79.3698, 102.9094,  
163.6418

20.2093, 29.3785,  
55.8794

103.2240,  
131.5856, 203.4392

12.6564, 19.3673,  
39.7029

131.4345,  
165.1481, 249.2164

7.2677, 11.9360,  
26.9949

164.3668,  
203.9811, 301.3919

3.6779, 6.7001,  
17.3370

202.3860,  
248.4692, 360.3844

1.5216, 3.2753,  
10.3106

245.8577,

0.3404, 1.2771,

298.9966, 426.6122

5.4971

295.1471,  
355.9478, 500.4941

■ 0.0000, 0.1234,  
2.4780

■ 0.0000, 0.0000,  
0.8284

■ 43.2690, 58.6779,  
100.3122

■ 43.2690, 58.6779,  
100.3122

■ 43.2677, 58.6750,  
100.3128

■ 44.4746, 60.4872,  
100.5990

■ 46.2119, 62.5907,  
100.9135

■ 48.6419, 65.0724,  
101.2644

■ 51.8613, 67.9825,  
101.6565

■ 55.9514, 71.3629,  
102.0934

■ 60.9833, 75.2504,  
102.5785

■ 67.0205, 79.6777,  
103.1149

■ 74.1211, 84.6750,  
103.7052

■ 82.3387, 90.2701,  
104.3520

# Harmonies

## Analogous

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



40.2909, 58.6779, 71.6850



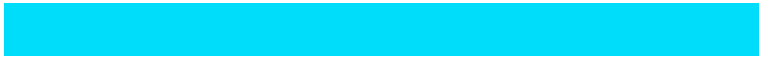
43.2690, 58.6779, 100.3122



49.6822, 58.6779, 122.3872

# Triad

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



43.2690, 58.6779, 100.3122



73.5811, 58.6779, 83.7722



53.1944, 58.6779, 26.2290

# Complementary

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



43.2690, 58.6779, 100.3122



40.2506, 21.4418, 2.0193

# 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.



62.3392, 58.6779, 27.8321



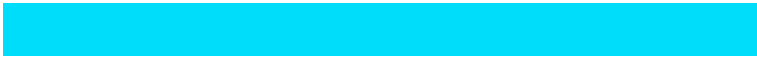
43.2690, 58.6779, 100.3122



74.7826, 58.6779, 56.6821

# Square

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



43.2690, 58.6779, 100.3122



67.3517, 58.6779, 111.1831



70.4767, 58.6779, 37.5621



45.6013, 58.6779, 32.3669

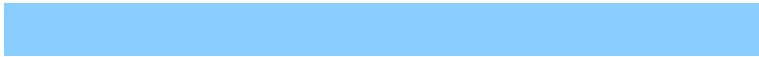


# Rectangle

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



43.2690, 58.6779, 100.3122



55.3665, 58.6779, 127.7056



70.4767, 58.6779, 37.5621



56.1786, 58.6779, 25.9240

# Sweetspot

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



43.2709, 58.6800, 100.3136



69.4366, 82.5673, 106.8851



34.7246, 69.0861, 12.6898



14.2695, 17.2435, 22.8262



0.0000, 0.0000, 0.0000

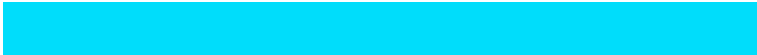


20.3446, 21.4041, 23.3091

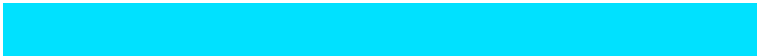


# Same Dimension

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



43.2709, 58.6800, 100.3136



44.8442, 60.8085, 103.9814



21.6205, 15.3792, 93.0968



17.5783, 19.2334, 22.1712



22.8146, 30.9848, 52.7518



2.1615, 2.9666, 4.9019



# Inverse Universe

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



52.8365, 25.7317, 70.5905



54.7645, 26.6698, 73.1490



51.4746, 43.8897, 5.7606



17.8984, 17.4867, 21.3209



27.8078, 13.5388, 37.2919



2.5999, 1.2637, 3.5826



# Previews

## White Background



This preview shows how the XYZ color 43.2690, 58.6779, 100.3122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

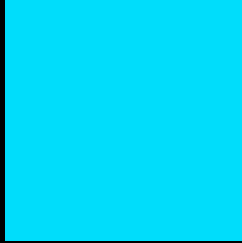
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.2690, 58.6779, 100.3122 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 43.2690, 58.6779, 100.3122**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2690, 58.6779, 100.3122.



This preview shows how white text looks on a background with the XYZ color 43.2690, 58.6779,



# 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

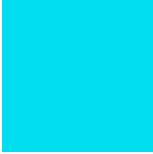
43.2690, 58.6779, 100.3122

### Protanopia

56.9277, 57.5928, 86.7134

### Deuteranopia

59.0251, 57.6470, 102.6238



## **Tritanopia**

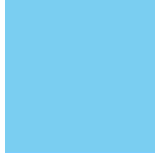
41.8495, 58.5338, 91.5305

# Trichromacy



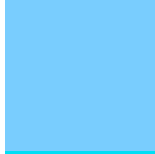
## Original Color

43.2690, 58.6779, 100.3122



## Protanomaly

45.9745, 54.6311, 91.3408



## Deuteranomaly

47.6059, 54.8833, 101.8504



## Tritanomaly

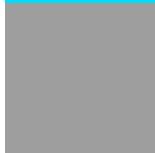
42.4504, 58.7742, 94.6951

# Monochromacy



## Original Color

43.2690, 58.6779, 100.3122



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

31.4051, 39.6202, 55.8614

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2690, 58.6779, 100.3122 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, 221, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 251)  
}
```

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, 221, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2690, 58.6779, 100.3122 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, 221, 251) }
```



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

```
.border{ border-color:rgb(0, 221, 251) }
```

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

Here you see how a box with a 4 pixel rgb(0, 221, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2690, 58.6779, 100.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 251) }
```

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

```
.background{ background-color: rgb(0, 221,  
251) }
```

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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