

# Converting Colors

XYZ(45.6745, 63.2354,  
101.8952)

Have a look what the booklet for  
XYZ(45.6745, 63.2354, 101.8952)  
contains.

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# Color

**XYZ(45.5900, 63.0669,  
101.8657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E5FC
RGB	0, 229, 252
RGB Percent	0%, 90%, 99%
CMY	0.9997, 0.1019, 0.0118
CMYK	1.00, 0.09, 0.00, 0.01
HSL	185°, 100%, 49%
HSV	185°, 100%, 99%
XYZ	45.5900, 63.0669, 101.8657
YIQ	163.1510, -143.8670, -41.3950

# Conversions

## Conversions Part 2

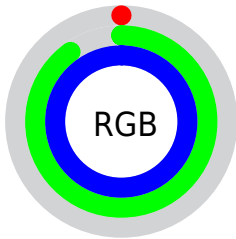
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 120, 252
Decimal	58876
CIELab	83.48, -37.39, -24.09
CIELCh	83, 44.480, 212.799
Yxy	63.0669, 0.2166, 0.2996
Android (android.graphics.Color)	4278248956 (0xFF00E5FC)
YUV	163.1510, 43.8026, -143.0834
Hunter-Lab	79.4147, -36.5032, -20.4614

# Details

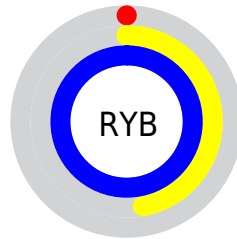
The XYZ color **45.5900, 63.0669, 101.8657** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **40.4537, 21.3116, 1.9836**, and the grayscale version is **34.7437, 36.5530, 39.8063**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **24.7939, 33.8273, 56.8523** is the 20% darker color. If you saturate the color by 10%, you get **45.5892, 63.0649, 101.8666**, and if you desaturate by 10%, it is **46.6396, 64.5605, 102.0999**.

# Distribution



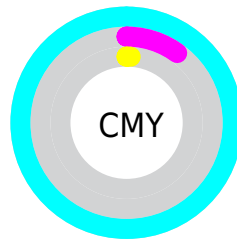
- Red (0%)
- Green (90%)
- Blue (99%)



- Red (0%)
- Yellow (47%)
- Blue (99%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)




- Cyan (100%)
- Magenta (10%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5900, 63.0669, 101.8657 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 45.5900, 63.0669, 101.8657 by changing the saturation by 10% instead.





 45.5900, 63.0669,  
101.8657

 45.5900, 63.0669,  
101.8657


359.9015,  
435.8122, 587.4555


 32.1257, 45.8953,  
77.2340


 82.8367, 109.2660,  
165.7929

 21.6135, 32.1632,  
56.9323


 107.3497,  
139.0624, 205.9255


 13.6882, 21.4862,  
40.5419

 136.2764,  
173.8358, 252.0622

 7.9844, 13.4799,  
27.6443

 169.9821,  
213.9706, 304.6215

 4.1367, 7.7598,  
17.8210

 208.8320,  
259.8513, 364.0220

 1.7797, 3.9416,  
10.6534

253.1917,

 0.5054, 1.6410,

311.8622, 430.6821

5.7231

303.4264,  
370.3877, 505.0204

■ 0.0000, 0.3850,  
2.6114

■ 0.0000, 0.0000,  
0.8983

■ 45.5900, 63.0669,  
101.8657

■ 45.5900, 63.0669,  
101.8657

■ 45.5892, 63.0649,  
101.8666

■ 46.6396, 64.5605,  
102.0999

■ 48.2201, 66.3391,  
102.3599

■ 50.4937, 68.4876,  
102.6548

■ 53.5581, 71.0565,  
102.9891

■ 57.4954, 74.0881,  
103.3667

■ 62.3773, 77.6193,  
103.7910

■ 68.2679, 81.6835,  
104.2650

■ 75.2259, 86.3107,  
104.7914

■ 83.3053, 91.5289,  
105.3728

# Harmonies

## Analogous

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



43.1745, 63.0669, 71.3112



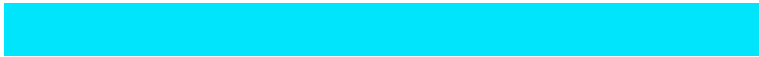
45.5900, 63.0669, 101.8657



51.8138, 63.0669, 127.9897

# Triad

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



45.5900, 63.0669, 101.8657



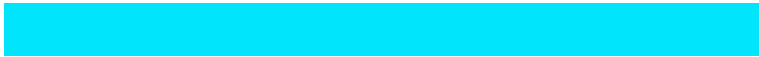
78.1128, 63.0669, 96.1004



59.0368, 63.0669, 27.9359

# Complementary

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



45.5900, 63.0669, 101.8657



40.4537, 21.3116, 1.9836

# 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.



68.8813, 63.0669, 31.2693



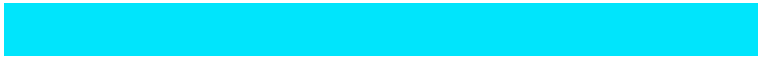
45.5900, 63.0669, 101.8657



80.5730, 63.0669, 66.0931

# Square

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



45.5900, 63.0669, 101.8657



70.6269, 63.0669, 124.0790



77.0311, 63.0669, 43.6039



50.3952, 63.0669, 32.8390

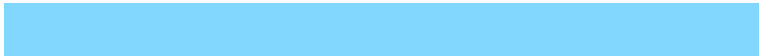


# Rectangle

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



45.5900, 63.0669, 101.8657



57.6351, 63.0669, 136.4812



77.0311, 63.0669, 43.6039



62.3121, 63.0669, 28.1327

# Sweetspot

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



45.5920, 63.0692, 101.8672



70.0975, 83.8891, 107.1054



34.9478, 69.6766, 12.3198



14.4299, 17.5642, 22.8797



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.



45.5920, 63.0692, 101.8672



46.8282, 64.7763, 104.6427



22.6279, 17.1410, 94.2126



17.6224, 19.3216, 22.1859



23.8053, 32.9662, 53.0820



2.2432, 3.1301, 4.9291



# Inverse Universe

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



54.2895, 26.3547, 76.3566



55.7659, 27.0704, 78.4223



50.5845, 41.5733, 5.3605



17.9207, 17.4956, 21.4381



28.3078, 13.7389, 39.9251

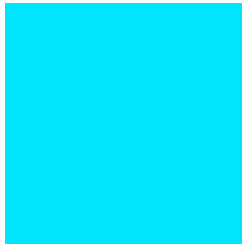


2.6412, 1.2802, 3.7999



# Previews

## White Background



This preview shows how the XYZ color 45.5900, 63.0669, 101.8657 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

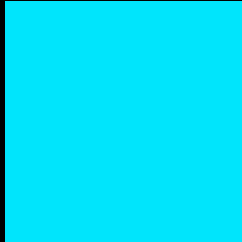
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.5900, 63.0669, 101.8657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

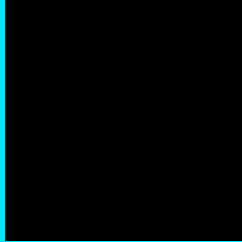
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.5900, 63.0669, 101.8657

## Background



This preview shows how black text looks on a background with the XYZ color 45.5900, 63.0669, 101.8657.



This preview shows how white text looks on a background with the XYZ color 45.5900, 63.0669,



# 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

45.5900, 63.0669, 101.8657

### Protanopia

61.0590, 62.1363, 88.1322

### Deuteranopia

63.2254, 62.2112, 103.2834



## Tritanopia

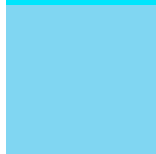
44.9626, 62.8159, 98.5618

# Trichromacy



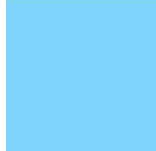
## Original Color

45.5900, 63.0669, 101.8657



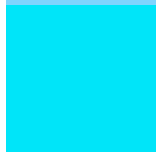
## Protanomaly

48.9757, 59.0931, 92.8292



## Deuteranomaly

50.1853, 58.7547, 102.4617



## Tritanomaly

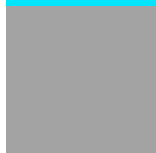
45.1182, 62.8782, 99.3813

# Monochromacy



## Original Color

45.5900, 63.0669, 101.8657



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

33.3296, 42.4238, 58.0617

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5900, 63.0669, 101.8657 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, 229, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 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(0, 229, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5900, 63.0669, 101.8657 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, 229, 252) }
```



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

```
.border{ border-color:rgb(0, 229, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5900, 63.0669, 101.8657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 252) }
```

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

```
.background{ background-color: rgb(0, 229,  
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](#).

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