

# Converting Colors

XYZ(43.6157, 57.2268,  
130.8065)

Have a look what the booklet for  
XYZ(43.6157, 57.2268, 130.8065)  
contains.

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# Color

**XYZ(43.3815, 57.8830,  
103.4938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DBFF
RGB	0, 219, 255
RGB Percent	0%, 86%, 100%
CMY	0.9997, 0.1412, 0.0000
CMYK	1.00, 0.14, 0.00, 0.00
HSL	188°, 100%, 50%
HSV	188°, 100%, 100%
XYZ	43.3815, 57.8830, 103.4938
YIQ	157.6230, -142.0800, -35.2320

# Conversions

## Conversions Part 2

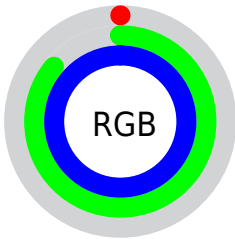
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 118, 255
Decimal	56319
CIELab	80.67, -31.73, -29.97
CIELCh	81, 43.642, 223.363
Yxy	57.8830, 0.2119, 0.2827
Android (android.graphics.Color)	4278246399 (0xFF00DBFF)
YUV	157.6230, 48.0069, -138.2354
Hunter-Lab	76.0809, -31.3604, -27.3963

# Details

The XYZ color **43.3815, 57.8830, 103.4938** 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 **41.8735, 22.5264, 2.1433**, and the grayscale version is **32.1756, 33.8512, 36.8640**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **23.4685, 30.6281, 58.1010** is the 20% darker color. If you saturate the color by 10%, you get **43.3794, 57.8788, 103.4931**, and if you desaturate by 10%, it is **44.7472, 59.9978, 103.8301**.

# Distribution



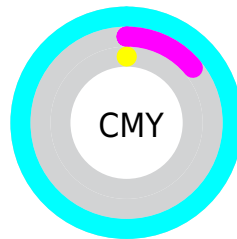
- Red (0%)
- Green (86%)
- Blue (100%)



- Red (0%)
- Yellow (46%)
- Blue (100%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3815, 57.8830, 103.4938 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 43.3815, 57.8830, 103.4938 by changing the saturation by 10% instead.



43.3815, 57.8830,  
103.4938

43.3815, 57.8830,  
103.4938

351.0733,  
416.7498, 592.6791

30.3804, 41.7146,  
78.5885

79.5384, 101.7525,  
168.0438

20.2770, 28.8779,  
58.0382

103.4248,  
130.2223, 208.5256

12.7060, 18.9885,  
41.4244

131.6704,  
163.5614, 255.0366

7.3020, 11.6619,  
28.3287

164.6406,  
202.1542, 307.9954

3.6997, 6.5139,  
18.3324

202.7006,  
246.3850, 367.8205

1.5337, 3.1600,  
11.0170

246.2158,

0.3486, 1.2158,

296.6383, 434.9305

5.9639

295.5516,  
353.2985, 509.7438

■ 0.0000, 0.0746,  
2.7547

■ 0.0000, 0.0000,  
0.9708

■ 43.3815, 57.8830,  
103.4938

■ 43.3815, 57.8830,  
103.4938

■ 43.3794, 57.8788,  
103.4931

■ 44.7472, 59.9978,  
103.8301

■ 46.6711, 62.4297,  
104.1981

■ 49.3192, 65.2655,  
104.6058

■ 52.7922, 68.5572,  
105.0582

■ 57.1747, 72.3488,  
105.5590

■ 62.5406, 76.6783,  
106.1119

■ 68.9562, 81.5802,  
106.7199

■ 76.4817, 87.0858,  
107.3860

■ 85.1729, 93.2239,  
108.1127

# Harmonies

## Analogous

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



39.8536, 57.8830, 75.1732



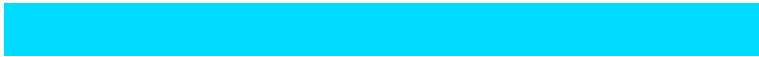
43.3815, 57.8830, 103.4938



50.2140, 57.8830, 123.3530

# Triad

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



43.3815, 57.8830, 103.4938



73.2961, 57.8830, 78.2874



51.1168, 57.8830, 26.0873

# Complementary

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



43.3815, 57.8830, 103.4938



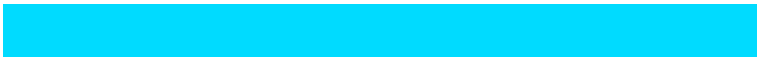
41.8735, 22.5264, 2.1433

# 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.



60.1149, 57.8830, 26.4959



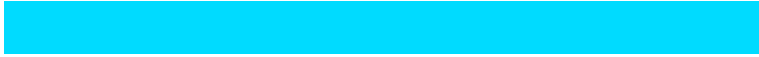
43.3815, 57.8830, 103.4938



73.6059, 57.8830, 52.2612

# Square

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



43.3815, 57.8830, 103.4938



67.7590, 57.8830, 106.3021



68.5644, 57.8830, 34.7778

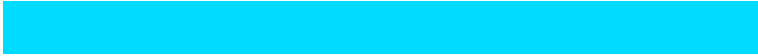


43.9802, 57.8830, 33.4498

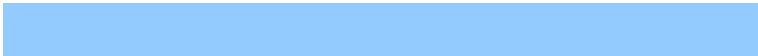


# Rectangle

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



43.3815, 57.8830, 103.4938



56.0364, 57.8830, 126.4884



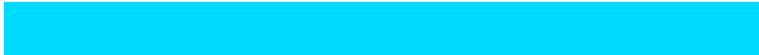
68.5644, 57.8830, 34.7778



54.0081, 57.8830, 25.3964

# Sweetspot

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



43.3832, 57.8850, 103.4941



68.9352, 81.5646, 106.7180



36.0507, 71.6364, 13.4456



14.1481, 17.0006, 22.7857



0.0000, 0.0000, 0.0000

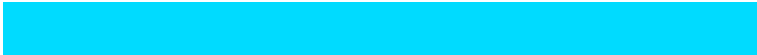


20.3446, 21.4041, 23.3091

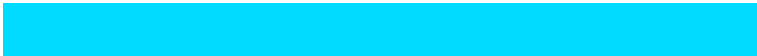


# Same Dimension

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



43.3832, 57.8850, 103.4941



43.3794, 57.8788, 103.4931



22.0136, 15.1459, 96.3709



18.3233, 20.0183, 23.1481



22.7507, 30.4109, 54.1054



2.2726, 3.0758, 5.2872



# Inverse Universe

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



54.0274, 26.3763, 69.2633



54.0251, 26.3740, 69.2555



54.0778, 46.9349, 6.2113



18.6759, 18.2537, 22.1762



28.2717, 13.7980, 36.4108



2.7817, 1.3551, 3.6978



# Previews

## White Background



This preview shows how the XYZ color 43.3815, 57.8830, 103.4938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

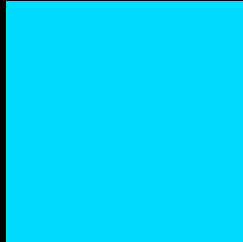
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.3815, 57.8830, 103.4938 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 43.3815, 57.8830, 103.4938**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.3815, 57.8830, 103.4938.



This preview shows how white text looks on a background with the XYZ color 43.3815, 57.8830,



# 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

43.3815, 57.8830, 103.4938

### Protanopia

56.5325, 56.9833, 89.6807

### Deuteranopia

58.0396, 57.1390, 102.5776



## Tritanopia

41.2891, 57.8859, 89.8859

# Trichromacy



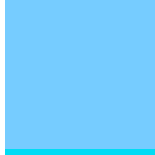
## Original Color

43.3815, 57.8830, 103.4938



## Protanomaly

46.0585, 54.2483, 94.4296



## Deuteranomaly

47.1141, 54.2573, 102.5973



## Tritanomaly

41.9223, 57.7181, 94.5191

# Monochromacy



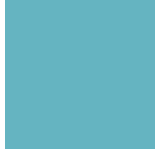
## Original Color

43.3815, 57.8830, 103.4938



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

31.3137, 39.2595, 56.3795

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.3815, 57.8830, 103.4938 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 255)  
}
```

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, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.3815, 57.8830, 103.4938 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, 219, 255) }
```



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

```
.border{ border-color:rgb(0, 219, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 219, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.3815, 57.8830, 103.4938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 255) }
```

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

```
.background{ background-color: rgb(0, 219,  
255) }
```

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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