

# Converting Colors

XYZ(43.6427, 57.8825,  
103.4800)

Have a look what the booklet for  
XYZ(43.6427, 57.8825, 103.4800)  
contains.

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# Color

**XYZ(43.7349, 58.0652,  
103.5104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17DBFF
RGB	23, 219, 255
RGB Percent	9%, 86%, 100%
CMY	0.9096, 0.1412, 0.0000
CMYK	0.91, 0.14, 0.00, 0.00
HSL	189°, 100%, 55%
HSV	189°, 91%, 100%
XYZ	43.7349, 58.0652, 103.5104
YIQ	164.5000, -128.3720, -30.3560

# Conversions

## Conversions Part 2

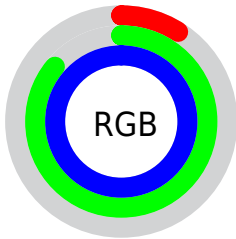
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	23, 129, 255
Decimal	1563647
CIE Lab	80.78, -31.12, -29.80
CIE LCh	81, 43.090, 223.758
Yxy	58.0652, 0.2130, 0.2828
Android (android.graphics.Color)	4279753727 (0xFF17DBFF)
YUV	164.5000, 44.6165, -124.0955
Hunter-Lab	76.2005, -30.9018, -27.1989

# Details

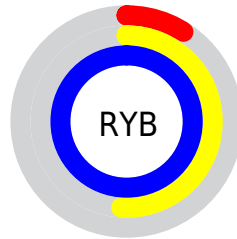
The XYZ color **43.7349, 58.0652, 103.5104** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.9611, 24.4541, 3.2687**, and the grayscale version is **35.3692, 37.2112, 40.5230**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **23.4685, 30.6281, 58.1010** is the 20% darker color. If you saturate the color by 10%, you get **42.4593, 56.0385, 103.1864**, and if you desaturate by 10%, it is **45.6717, 60.6157, 103.9006**.

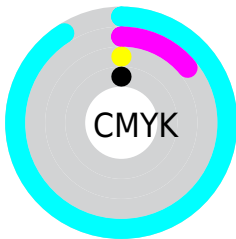
# Distribution



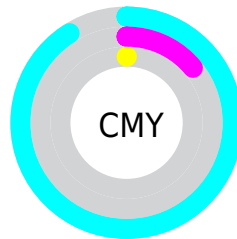
- Red (9%)
- Green (86%)
- Blue (100%)



- Red (9%)
- Yellow (51%)
- Blue (100%)



- Cyan (91%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (91%)
- Magenta (14%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7349, 58.0652, 103.5104 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 43.7349, 58.0652, 103.5104 by changing the saturation by 10% instead.




 43.7349, 58.0652,  
103.5104


 43.7349, 58.0652,  
103.5104


352.4959,  
417.4288, 592.7322


 30.6592, 41.8611,  
78.6023


 80.0675, 102.0178,  
168.0668


 20.4900, 28.9925,  
58.0495


 104.0551,  
130.5351, 208.5521

 12.8621, 19.0752,  
41.4335


 132.4107,  
163.9255, 255.0669

 7.4100, 11.7246,  
28.3357

 165.4996,  
202.5735, 308.0298

 3.7684, 6.5564,  
18.3376

 203.6872,  
246.8634, 367.8592

 1.5720, 3.1863,  
11.0207

247.3389,

 0.3740, 1.2297,

297.1797, 434.9737

5.9664

296.8200,  
353.9067, 509.7918

■ 0.0000, 0.0858,  
2.7562

■ 0.0000, 0.0000,  
0.9715

■ 43.7349, 58.0652,  
103.5104

■ 43.7349, 58.0652,  
103.5104

■ 42.4593, 56.0385,  
103.1864

■ 45.6717, 60.6157,  
103.9006

■ 48.3239, 63.5706,  
104.3312

■ 51.7960, 66.9851,  
104.8072

■ 56.1740, 70.9038,  
105.3329

■ 61.5327, 75.3654,  
105.9116

■ 67.9391, 80.4048,  
106.5467

■ 75.4540, 86.0536,  
107.2409

■ 84.1336, 92.3409,  
107.9970

■ 94.0303, 99.2939,  
108.8175

# Harmonies

## Analogous

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



40.1879, 58.0652, 75.6019



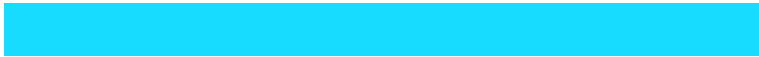
43.7349, 58.0652, 103.5104



50.5424, 58.0652, 122.8738

# Triad

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



43.7349, 58.0652, 103.5104



73.2921, 58.0652, 77.9368



51.2209, 58.0652, 26.5827

# Complementary

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



43.7349, 58.0652, 103.5104



42.9611, 24.4541, 3.2687

# 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.



60.1125, 58.0652, 26.8924



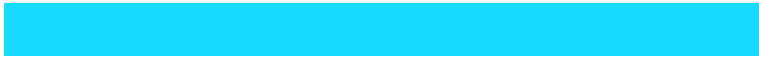
43.7349, 58.0652, 103.5104



73.5242, 58.0652, 52.2752

# Square

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



43.7349, 58.0652, 103.5104



67.8831, 58.0652, 105.6107



68.4869, 58.0652, 35.0371

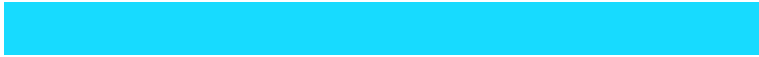


44.1855, 58.0652, 34.0335

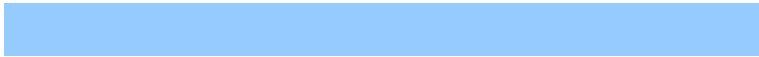


# Rectangle

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



43.7349, 58.0652, 103.5104



56.3177, 58.0652, 125.7770



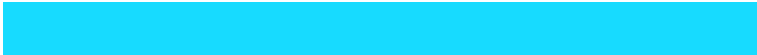
68.4869, 58.0652, 35.0371



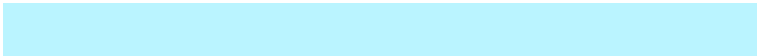
54.0759, 58.0652, 25.8598

# Sweetspot

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



43.7366, 58.0672, 103.5107



70.7818, 82.5691, 106.8146



36.8739, 72.0065, 15.9364



14.6238, 17.2729, 22.8132



0.0000, 0.0000, 0.0000

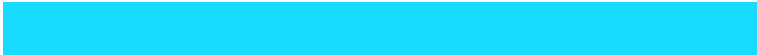


20.3446, 21.4041, 23.3091

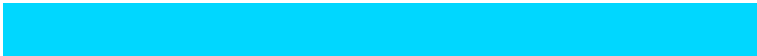


# Same Dimension

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



43.7366, 58.0672, 103.5107



42.4593, 56.0385, 103.1864



23.3776, 17.3493, 96.7243



18.3006, 19.9729, 23.1406



22.2762, 29.4621, 53.9472



2.2308, 2.9923, 5.2733



# Inverse Universe

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



54.3338, 26.9891, 69.3655



53.5607, 26.1883, 66.8098



56.4954, 51.5227, 7.7801



18.6644, 18.2491, 22.1158



28.0322, 13.7022, 35.1497

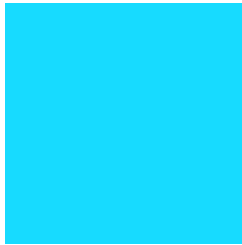


2.7606, 1.3466, 3.5868



# Previews

## White Background



This preview shows how the XYZ color 43.7349, 58.0652, 103.5104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

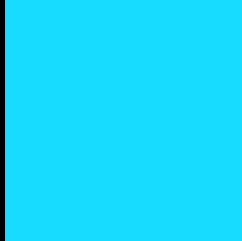
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7349, 58.0652, 103.5104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

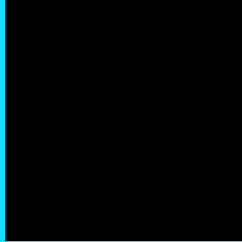
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 43.7349, 58.0652, 103.5104

## Background



This preview shows how black text looks on a background with the XYZ color 43.7349, 58.0652, 103.5104.



This preview shows how white text looks on a background with the XYZ color 43.7349, 58.0652,



# 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

43.7349, 58.0652, 103.5104

### Protanopia

56.9296, 57.1709, 90.4727

### Deuteranopia

58.0396, 57.1390, 102.5776



## Tritanopia

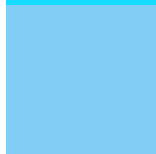
41.4364, 57.9449, 90.6619

# Trichromacy



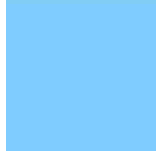
## Original Color

43.7349, 58.0652, 103.5104



## Protanomaly

47.3660, 54.9223, 94.4908



## Deuteranomaly

48.3953, 54.9178, 102.6572



## Tritanomaly

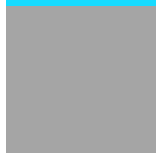
42.1748, 57.8306, 95.3258

# Monochromacy



## Original Color

43.7349, 58.0652, 103.5104



## Achromatopsia

35.7637, 37.6262, 40.9749



## Achromatomaly

34.3521, 42.2859, 59.7775

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7349, 58.0652, 103.5104 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(23, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 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(23, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 219, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7349, 58.0652, 103.5104 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(23, 219, 255) }
```



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

```
.border{ border-color:rgb(23, 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(23, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 219,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7349, 58.0652, 103.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 219, 255) }
```

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

```
.background{ background-color: rgb(23, 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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