

# Converting Colors

XYZ(64.4339, 72.4694,  
194.3667)

Have a look what the booklet for  
XYZ(64.4339, 72.4694, 194.3667)  
contains.

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# Color

**XYZ(47.3859, 65.5994,  
104.7722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0FE9FF
RGB	15, 233, 255
RGB Percent	6%, 91%, 100%
CMY	0.9410, 0.0863, 0.0000
CMYK	0.94, 0.09, 0.00, 0.00
HSL	186°, 100%, 53%
HSV	186°, 94%, 100%
XYZ	47.3859, 65.5994, 104.7722
YIQ	170.3260, -136.9900, -39.3740

# Conversions

## Conversions Part 2

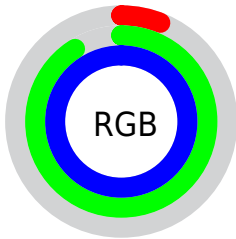
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	15, 129, 255
Decimal	1042943
CIE Lab	84.79, -37.98, -23.67
CIE LCh	85, 44.753, 211.934
Yxy	65.5994, 0.2176, 0.3012
Android (android.graphics.Color)	4279233023 (0xFF0FE9FF)
YUV	170.3260, 41.7443, -136.2209
Hunter-Lab	80.9935, -37.3056, -20.0014

# Details

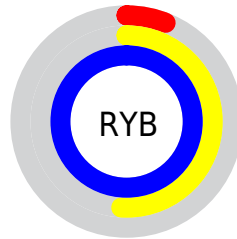
The XYZ color **47.3859, 65.5994, 104.7722** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.9899, 22.6211, 2.6073**, and the grayscale version is **38.2274, 40.2181, 43.7976**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **25.9152, 35.5215, 58.9165** is the 20% darker color. If you saturate the color by 10%, you get **46.8006, 64.7212, 104.6335**, and if you desaturate by 10%, it is **48.7529, 67.2944, 105.0273**.

# Distribution



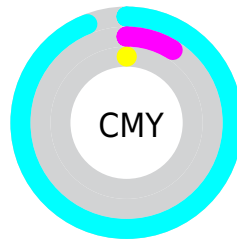
- Red (6%)
- Green (91%)
- Blue (100%)



- Red (6%)
- Yellow (51%)
- Blue (100%)



- Cyan (94%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (94%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3859, 65.5994, 104.7722 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 47.3859, 65.5994, 104.7722 by changing the saturation by 10% instead.





 47.3859, 65.5994,  
104.7722


 47.3859, 65.5994,  
104.7722


366.9760,  
444.9428, 596.7637


 33.5501, 47.9473,  
79.6529


 85.5046, 112.9112,  
169.8088


 22.7094, 33.7851,  
58.9083


 110.5182,  
143.3396, 210.5633

 14.4986, 22.7286,  
42.1198


 139.9884,  
178.7956, 257.3665

 8.5523, 14.3932,  
28.8688

 174.2805,  
219.6636, 310.6371

 4.5051, 8.3947,  
18.7369

213.7600,  
266.3279, 370.7936

 1.9916, 4.3485,  
11.3054

258.7922,

 0.6293, 1.8704,

319.1729, 438.2545

6.1559

309.7424,  
378.5831, 513.4383

■ 0.0000, 0.5305,  
2.8698

■ 0.0000, 0.0000,  
1.0285

■ 47.3859, 65.5994,  
104.7722

■ 47.3859, 65.5994,  
104.7722

■ 46.8006, 64.7212,  
104.6335

■ 48.7529, 67.2944,  
105.0273

■ 50.7816, 69.3423,  
105.3157

■ 53.5844, 71.8023,  
105.6428

■ 57.2513, 74.7211,  
106.0129

61.8603, 78.1386,  
106.4296

67.4803, 82.0906,  
106.8962

74.1738, 86.6093,  
107.4156

81.9982, 91.7244,  
107.9906

91.0070, 97.4635,  
108.6235

# Harmonies

## Analogous

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



45.0074, 65.5994, 73.3054



47.3859, 65.5994, 104.7722



53.7170, 65.5994, 132.0245

# Triad

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



47.3859, 65.5994, 104.7722



80.9452, 65.5994, 100.6623



61.7022, 65.5994, 29.2520

# Complementary

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



47.3859, 65.5994, 104.7722



41.9899, 22.6211, 2.6073

# 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.



71.8622, 65.5994, 32.9598



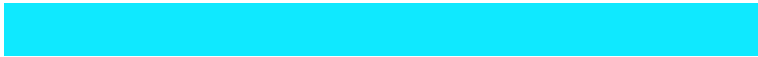
47.3859, 65.5994, 104.7722



83.6583, 65.5994, 69.5801

# Square

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



47.3859, 65.5994, 104.7722



73.1076, 65.5994, 129.2390



80.1737, 65.5994, 46.0332



52.7036, 65.5994, 34.0846

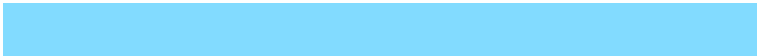


# Rectangle

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



47.3859, 65.5994, 104.7722



59.6856, 65.5994, 141.1796



80.1737, 65.5994, 46.0332



65.0931, 65.5994, 29.5366

# Sweetspot

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



47.3877, 65.6017, 104.7725



71.4288, 84.7756, 107.2064



36.2621, 71.7437, 13.5309



14.6814, 17.7339, 22.8991



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.



47.3877, 65.6017, 104.7725



46.8006, 64.7212, 104.6335



24.3824, 19.5910, 97.1041



18.4041, 20.1798, 23.1750



24.5130, 33.9355, 54.6928



2.4266, 3.3839, 5.3385



# Inverse Universe

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



56.1201, 27.4866, 79.4408



55.7520, 27.0648, 78.3490



53.0519, 44.7452, 6.2946



18.7166, 18.2700, 22.3909



29.1612, 14.1538, 41.0950

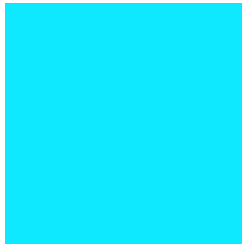


2.8595, 1.3862, 4.1073



# Previews

## White Background



This preview shows how the XYZ color 47.3859, 65.5994, 104.7722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

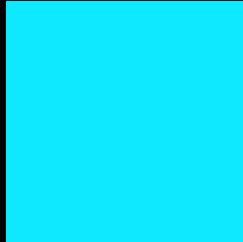
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3859, 65.5994, 104.7722 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 47.3859, 65.5994, 104.7722**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3859, 65.5994, 104.7722.



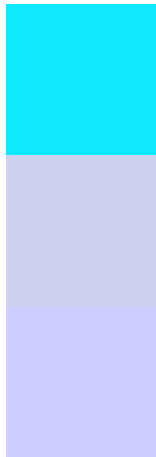
This preview shows how white text looks on a background with the XYZ color 47.3859, 65.5994,



# 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

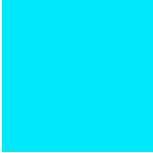
47.3859, 65.5994, 104.7722

### Protanopia

63.3127, 64.3229, 90.7400

### Deuteranopia

65.2981, 64.3417, 103.5854



## **Tritanopia**

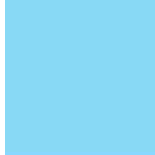
46.7096, 65.3061, 102.2389

# Trichromacy



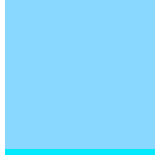
## Original Color

47.3859, 65.5994, 104.7722



## Protanomaly

51.4476, 61.4525, 95.5361



## Deuteranomaly

52.7592, 61.5660, 103.7105



## Tritanomaly

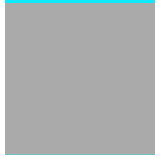
46.9311, 65.4019, 103.0788

# Monochromacy



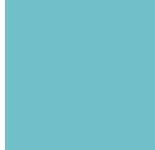
## Original Color

47.3859, 65.5994, 104.7722



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

36.5520, 45.9344, 62.1981

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3859, 65.5994, 104.7722 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(15, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(15, 233, 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(15, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 233, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3859, 65.5994, 104.7722 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(15, 233, 255) }
```



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

```
.border{ border-color:rgb(15, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(15, 233,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3859, 65.5994, 104.7722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 233, 255) }
```

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

```
.background{ background-color: rgb(15, 233,  
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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