

# Converting Colors

XYZ(47.5476, 65.7952,  
104.8015)

Have a look what the booklet for  
XYZ(47.5476, 65.7952, 104.8015)  
contains.

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# Color

**XYZ(47.4774, 65.6465,  
104.7765)**

# Conversions

## Conversions Part 1

Format	Color
Hex	14E9FF
RGB	20, 233, 255
RGB Percent	8%, 91%, 100%
CMY	0.9214, 0.0863, 0.0000
CMYK	0.92, 0.09, 0.00, 0.00
HSL	186°, 100%, 54%
HSV	186°, 92%, 100%
XYZ	47.4774, 65.6465, 104.7765
YIQ	171.8210, -134.0100, -38.3140

# Conversions

## Conversions Part 2

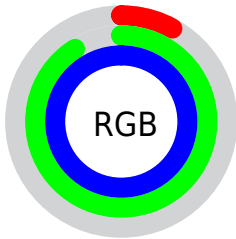
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 132, 255
Decimal	1370623
CIE <sub>Lab</sub>	84.82, -37.83, -23.63
CIE <sub>LCh</sub>	85, 44.604, 211.995
Yxy	65.6465, 0.2179, 0.3013
Android (android.graphics.Color)	4279560703 (0xFF14E9FF)
YUV	171.8210, 41.0072, -133.1470
Hunter-Lab	81.0225, -37.1924, -19.9567

# Details

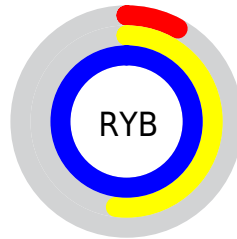
The XYZ color **47.4774, 65.6465, 104.7765** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.1962, 22.9698, 2.8737**, and the grayscale version is **38.9779, 41.0078, 44.6575**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **25.9152, 35.5215, 58.9165** is the 20% darker color. If you saturate the color by 10%, you get **46.6612, 64.4425, 104.5871**, and if you desaturate by 10%, it is **48.9767, 67.4309, 105.0419**.

# Distribution



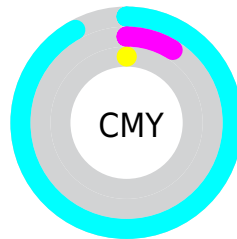
- Red (8%)
- Green (91%)
- Blue (100%)



- Red (8%)
- Yellow (52%)
- Blue (100%)



- Cyan (92%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (92%)
- Magenta (9%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4774, 65.6465, 104.7765 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 47.4774, 65.6465, 104.7765 by changing the saturation by 10% instead.





 47.4774, 65.6465,  
104.7765

 47.4774, 65.6465,  
104.7765


367.3341,  
445.1116, 596.7774


 33.6227, 47.9855,  
79.6565


 85.6402, 112.9788,  
169.8148


 22.7654, 33.8154,  
58.9112


 110.6791,  
143.4189, 210.5701

 14.5402, 22.7518,  
42.1221

 140.1767,  
178.8875, 257.3743

 8.5815, 14.4104,  
28.8706

 174.4985,  
219.7690, 310.6460

 4.5241, 8.4066,  
18.7383

214.0098,  
266.4477, 370.8035

 2.0027, 4.3562,  
11.3064

259.0759,

 0.6355, 1.8748,

319.3081, 438.2656

6.1566

310.0622,  
378.7346, 513.4507

■ 0.0000, 0.5331,  
2.8702

■ 0.0000, 0.0000,  
1.0287

■ 47.4774, 65.6465,  
104.7765

■ 47.4774, 65.6465,  
104.7765

■ 46.6612, 64.4425,  
104.5871

■ 48.9767, 67.4309,  
105.0419

■ 51.1619, 69.5812,  
105.3417

■ 54.1405, 72.1541,  
105.6814

■ 57.9997, 75.1948,  
106.0649

■ 62.8153, 78.7423,  
106.4958

■ 68.6551, 82.8316,  
106.9773

■ 75.5804, 87.4944,  
107.5123

■ 83.6478, 92.7599,  
108.1035

■ 92.9098, 98.6553,  
108.7532

# Harmonies

## Analogous

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



45.0955, 65.6465, 73.4102



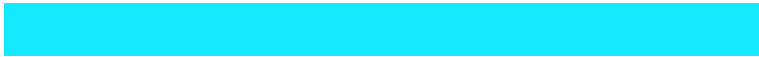
47.4774, 65.6465, 104.7765



53.8010, 65.6465, 131.8990

# Triad

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



47.4774, 65.6465, 104.7765



80.9425, 65.6465, 100.5541



61.7287, 65.6465, 29.3827

# Complementary

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



47.4774, 65.6465, 104.7765



42.1962, 22.9698, 2.8737

# 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.



71.8587, 65.6465, 33.0709



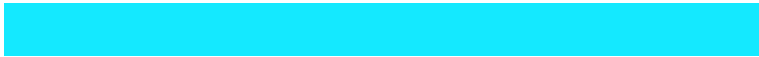
47.4774, 65.6465, 104.7765



83.6341, 65.6465, 69.5798

# Square

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



47.4774, 65.6465, 104.7765



73.1388, 65.6465, 129.0387



80.1497, 65.6465, 46.1072



52.7586, 65.6465, 34.2298

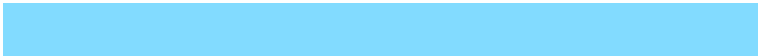


# Rectangle

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



47.4774, 65.6465, 104.7765



59.7573, 65.6465, 140.9872



80.1497, 65.6465, 46.1072



65.1093, 65.6465, 29.6616

# Sweetspot

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



47.4792, 65.6488, 104.7768



71.3859, 84.6899, 107.1921



36.4262, 71.8199, 13.9172



14.6709, 17.7128, 22.8956



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.



47.4792, 65.6488, 104.7768



46.6612, 64.4425, 104.5871



24.8114, 20.3130, 97.2208



18.4009, 20.1735, 23.1740



24.4412, 33.7921, 54.6689



2.4204, 3.3715, 5.3365



# Inverse Universe

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



56.1994, 27.6454, 79.4671



55.6816, 27.0367, 77.9786



53.4411, 45.4596, 6.6220



18.7150, 18.2693, 22.3824



29.1250, 14.1393, 40.9043

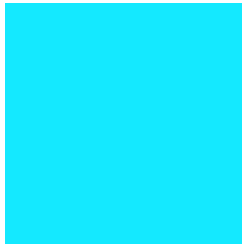


2.8563, 1.3849, 4.0907



# Previews

## White Background



This preview shows how the XYZ color 47.4774, 65.6465, 104.7765 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

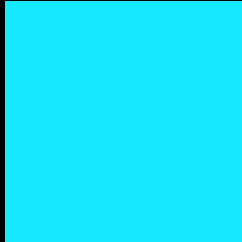
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4774, 65.6465, 104.7765 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 47.4774, 65.6465, 104.7765

## Background



This preview shows how black text looks on a background with the XYZ color 47.4774, 65.6465, 104.7765.



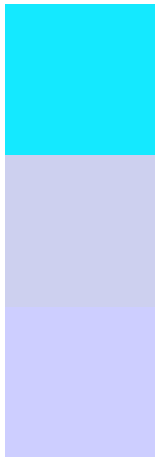
This preview shows how white text looks on a background with the XYZ color 47.4774, 65.6465,



# 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

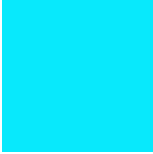
47.4774, 65.6465, 104.7765

### Protanopia

63.3127, 64.3229, 90.7400

### Deuteranopia

65.2981, 64.3417, 103.5854



## **Tritanopia**

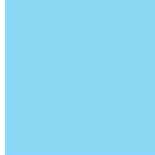
46.8097, 65.3577, 102.2436

# Trichromacy



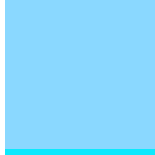
## Original Color

47.4774, 65.6465, 104.7765



## Protanomaly

51.7755, 61.6216, 95.5515



## Deuteranomaly

53.0871, 61.7350, 103.7258



## Tritanomaly

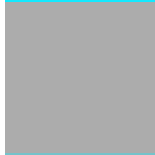
47.0202, 65.4478, 103.0830

# Monochromacy



## Original Color

47.4774, 65.6465, 104.7765



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

37.2886, 46.6297, 62.9122

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4774, 65.6465, 104.7765 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(20, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(20, 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(20, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 233, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4774, 65.6465, 104.7765 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(20, 233, 255) }
```



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

```
.border{ border-color:rgb(20, 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(20, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(20, 233,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4774, 65.6465, 104.7765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 233, 255) }
```

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

```
.background{ background-color: rgb(20, 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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