

# Converting Colors

XYZ(47.9137, 66.3338,  
104.8861)

Have a look what the booklet for  
XYZ(47.9137, 66.3338, 104.8861)  
contains.

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# Color

**XYZ(47.8988, 66.2852,  
104.8775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1AEAFF
RGB	26, 234, 255
RGB Percent	10%, 92%, 100%
CMY	0.8979, 0.0823, 0.0000
CMYK	0.90, 0.08, 0.00, 0.00
HSL	186°, 100%, 55%
HSV	186°, 90%, 100%
XYZ	47.8988, 66.2852, 104.8775
YIQ	174.2020, -130.7090, -37.5650

# Conversions

## Conversions Part 2

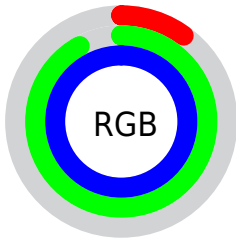
Format	Color
R <sub>Y</sub> B	26, 135, 255
Decimal	1764095
CIE Lab	85.14, -38.06, -23.13
CIE LCh	85, 44.542, 211.291
Yxy	66.2852, 0.2187, 0.3026
Android (android.graphics.Color)	4279954175 (0xFF1AEAFF)
YUV	174.2020, 39.8334, -129.9732
Hunter-Lab	81.4157, -37.4617, -19.3847

# Details

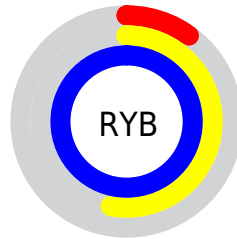
The XYZ color **47.8988, 66.2852, 104.8775** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.4448, 23.3705, 3.2534**, and the grayscale version is **40.1921, 42.2853, 46.0486**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **26.1134, 35.9180, 58.9826** is the 20% darker color. If you saturate the color by 10%, you get **46.8190, 64.7481, 104.6377**, and if you desaturate by 10%, it is **49.5364, 68.1256, 105.1465**.

# Distribution



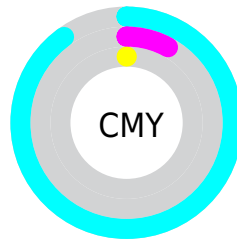
- Red (10%)
- Green (92%)
- Blue (100%)



- Red (10%)
- Yellow (53%)
- Blue (100%)



- Cyan (90%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (8%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8988, 66.2852, 104.8775 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 47.8988, 66.2852, 104.8775 by changing the saturation by 10% instead.





 47.8988, 66.2852,  
104.8775


 47.8988, 66.2852,  
104.8775


368.9801,  
447.3962, 597.0995


 33.9577, 48.5040,  
79.7406


 86.2643, 113.8956,  
169.9541


 23.0238, 34.2262,  
58.9800


 111.4194,  
144.4935, 210.7309

 14.7319, 23.0674,  
42.1772


 141.0432,  
180.1324, 257.5582

 8.7165, 14.6433,  
28.9134

 175.5011,  
221.1968, 310.8544

 4.6124, 8.5694,  
18.7703

215.1583,  
268.0709, 371.0381

 2.0541, 4.4614,  
11.3293

260.3803,

 0.6641, 1.9349,

321.1393, 438.5278

6.1718

311.5325,  
380.7862, 513.7421

■ 0.0000, 0.5692,  
2.8794

■ 0.0000, 0.0000,  
1.0334

■ 47.8988, 66.2852,  
104.8775

■ 47.8988, 66.2852,  
104.8775

■ 46.8190, 64.7481,  
104.6377

■ 49.5364, 68.1256,  
105.1465

■ 46.7984, 64.7169,  
104.6328

■ 51.8865, 70.3452,  
105.4510

■ 55.0514, 72.9979,  
105.7962

■ 59.1153, 76.1272,  
106.1861

■ 64.1518, 79.7712,  
106.6240

■ 70.2270, 83.9639,  
107.1130

■ 77.4009, 88.7364,  
107.6561

■ 85.7293, 94.1174,  
108.2558

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



45.6008, 66.2852, 73.4265



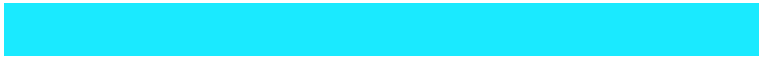
47.8988, 66.2852, 104.8775



54.1736, 66.2852, 132.3588

# Triad

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



47.8988, 66.2852, 104.8775



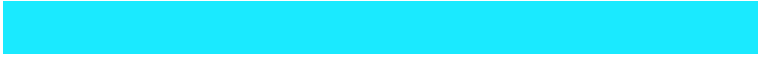
81.5024, 66.2852, 102.1331



62.5680, 66.2852, 29.7994

# Complementary

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



47.8988, 66.2852, 104.8775



42.4448, 23.3705, 3.2534

# 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.



72.7412, 66.2852, 33.7219



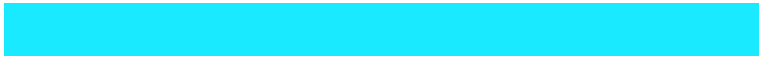
47.8988, 66.2852, 104.8775



84.3475, 66.2852, 70.9345

# Square

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



47.8988, 66.2852, 104.8775



73.5736, 66.2852, 130.5008



80.9870, 66.2852, 47.0908



53.4950, 66.2852, 34.4777

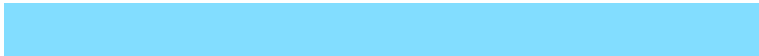


# Rectangle

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



47.8988, 66.2852, 104.8775



60.1230, 66.2852, 141.8058



80.9870, 66.2852, 47.0908



65.9716, 66.2852, 30.1465

# Sweetspot

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



47.9007, 66.2875, 104.8779



72.1149, 85.2354, 107.2590



36.6629, 71.9305, 14.4462



14.9434, 17.9120, 22.9197



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.



47.9007, 66.2875, 104.8779



46.7984, 64.7169, 104.6328



25.3678, 21.2217, 97.3669



18.4041, 20.1797, 23.1750



24.5119, 33.9334, 54.6925



2.4265, 3.3837, 5.3385



# Inverse Universe

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



56.4620, 27.9412, 80.2615



55.7509, 27.0644, 78.3433



53.9283, 46.3376, 7.0812



18.7166, 18.2700, 22.3907



29.1607, 14.1536, 41.0921

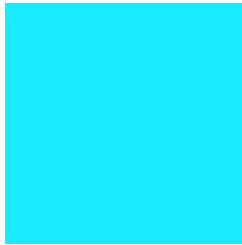


2.8594, 1.3861, 4.1070



# Previews

## White Background



This preview shows how the XYZ color 47.8988, 66.2852, 104.8775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

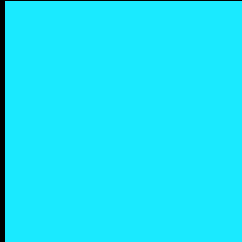
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.8988, 66.2852, 104.8775 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 47.8988, 66.2852, 104.8775**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8988, 66.2852, 104.8775.



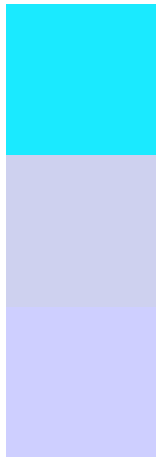
This preview shows how white text looks on a background with the XYZ color 47.8988, 66.2852,



# 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

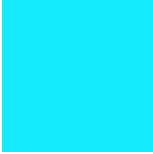
47.8988, 66.2852, 104.8775

### Protanopia

63.8341, 64.9547, 90.8345

### Deuteranopia

65.8164, 64.9675, 103.6788



## **Tritanopia**

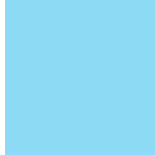
47.4833, 66.1081, 103.1860

# Trichromacy



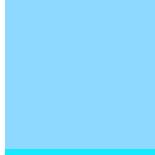
## Original Color

47.8988, 66.2852, 104.8775



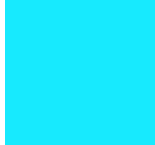
## Protanomaly

52.5373, 62.3981, 95.6612



## Deuteranomaly

53.8474, 62.5084, 103.8350



## Tritanomaly

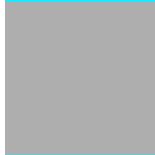
47.6656, 66.1836, 104.0284

# Monochromacy



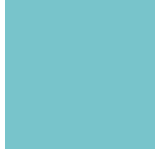
## Original Color

47.8988, 66.2852, 104.8775



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

38.2651, 47.7847, 63.7065

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8988, 66.2852, 104.8775 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(26, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 234, 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(26, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 234, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8988, 66.2852, 104.8775 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(26, 234, 255) }
```



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

```
.border{ border-color:rgb(26, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 234,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8988, 66.2852, 104.8775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 234, 255) }
```

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

```
.background{ background-color: rgb(26, 234,  
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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