

# Converting Colors

XYZ(54.0633, 78.8706,  
106.9819)

Have a look what the booklet for  
XYZ(54.0633, 78.8706, 106.9819)  
contains.

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# Color

**XYZ(54.0595, 78.8686,  
106.9817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12FFFF
RGB	18, 255, 255
RGB Percent	7%, 100%, 100%
CMY	0.9292, 0.0000, 0.0000
CMYK	0.93, 0.00, 0.00, 0.00
HSL	180°, 100%, 54%
HSV	180°, 93%, 100%
XYZ	54.0595, 78.8686, 106.9817
YIQ	184.1370, -141.2520, -50.2440

# Conversions

## Conversions Part 2

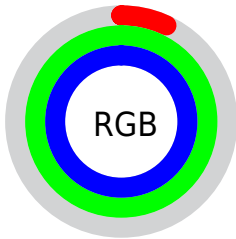
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	18, 137, 255
Decimal	1245183
CIE Lab	91.17, -47.69, -14.04
CIE LCh	91, 49.718, 196.409
Yxy	78.8686, 0.2253, 0.3287
Android (android.graphics.Color)	4279435263 (0xFF12FFFF)
YUV	184.1370, 34.9355, -145.7021
Hunter-Lab	88.8080, -46.7569, -9.2575

# Details

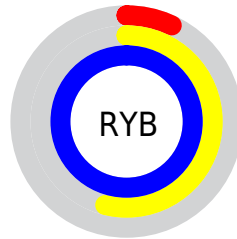
The XYZ color **54.0595, 78.8686, 106.9817** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.5668, 21.7382, 2.5797**, and the grayscale version is **45.5131, 47.8833, 52.1449**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **30.1593, 44.0097, 60.3312** is the 20% darker color. If you saturate the color by 10%, you get **53.8100, 78.7400, 106.9700**, and if you desaturate by 10%, it is **54.8296, 79.2656, 107.0177**.

# Distribution



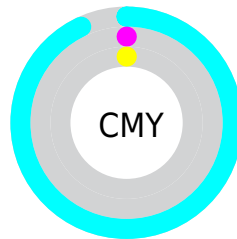
- Red (7%)
- Green (100%)
- Blue (100%)



- Red (7%)
- Yellow (54%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (93%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.0595, 78.8686, 106.9817 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 54.0595, 78.8686, 106.9817 by changing the saturation by 10% instead.





 54.0595, 78.8686,  
106.9817


 54.0595, 78.8686,  
106.9817


392.5315,  
491.1117, 603.7890


 38.8801, 58.7878,  
81.4946


 95.3180, 131.7739,  
172.8543


 26.8468, 42.4423,  
60.4157


 122.1278,  
165.3671, 214.0769

 17.5942, 29.4478,  
43.3263


 153.5451,  
204.2332, 261.3818

 10.7569, 19.4198,  
29.8079

 189.9352,  
248.7567, 315.1874

 5.9697, 11.9740,  
19.4420

231.6636,  
299.3219, 375.9125

 2.8672, 6.7260,  
11.8101

279.0955,

 1.0839, 3.2913,

356.3132, 443.9754

6.4935

332.5964,  
420.1150, 519.7947

■ 0.0116, 1.2857,  
3.0738

■ 0.0000, 0.1301,  
1.1325

■ 54.0595, 78.8686,  
106.9817

■ 54.0595, 78.8686,  
106.9817

■ 53.8100, 78.7400,  
106.9700

■ 54.8296, 79.2656,  
107.0177

■ 56.2681, 80.0072,  
107.0850

■ 58.4831, 81.1491,  
107.1887

■ 61.5632, 82.7369,  
107.3328

■ 65.5849, 84.8102,  
107.5211

■ 70.6163, 87.4040,  
107.7565

■ 76.7193, 90.5502,  
108.0421

■ 83.9507, 94.2781,  
108.3806

■ 92.3634, 98.6150,  
108.7743

# Harmonies

## Analogous

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



53.8121, 78.8686, 70.5943



54.0595, 78.8686, 106.9817



59.4819, 78.8686, 146.4974

# Triad

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



54.0595, 78.8686, 106.9817



93.8939, 78.8686, 143.0827



80.7947, 78.8686, 34.5839

# Complementary

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



54.0595, 78.8686, 106.9817



41.5668, 21.7382, 2.5797

# 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.



92.9193, 78.8686, 44.8185



54.0595, 78.8686, 106.9817



101.0343, 78.8686, 103.2144

# Square

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



54.0595, 78.8686, 106.9817



82.0094, 78.8686, 171.0048



100.6588, 78.8686, 67.7439



68.3308, 78.8686, 35.0673



# Rectangle

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



54.0595, 78.8686, 106.9817



65.6873, 78.8686, 166.3473



100.6588, 78.8686, 67.7439



85.0715, 78.8686, 36.7274

# Sweetspot

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



54.0605, 78.8691, 106.9817



73.4815, 88.8810, 107.8906



36.1201, 71.6930, 12.5090



15.1872, 18.7453, 23.0677



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.



54.0605, 78.8691, 106.9817



53.8100, 78.7400, 106.9700



27.1790, 25.1062, 98.0212



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



59.5072, 28.9144, 97.0524



59.2900, 28.4800, 96.9800



50.2282, 39.0610, 5.4668



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

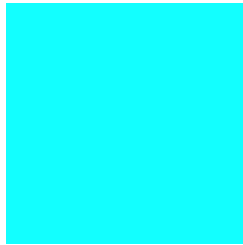


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 54.0595, 78.8686, 106.9817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

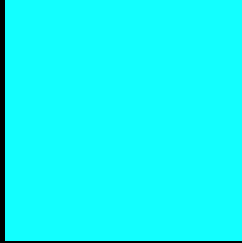
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.0595, 78.8686, 106.9817 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 54.0595, 78.8686, 106.9817

## Background



This preview shows how black text looks on a background with the XYZ color 54.0595, 78.8686, 106.9817.



This preview shows how white text looks on a background with the XYZ color 54.0595, 78.8686,



# Color Blindness Simulation

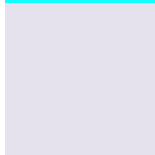
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

54.0595, 78.8686, 106.9817



### Protanopia

74.7955, 77.1652, 91.0730



### Deuteranopia

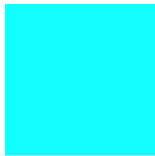
77.7164, 77.1512, 105.4033



## Tritanopia

63.7068, 77.8924, 106.2848

# Trichromacy



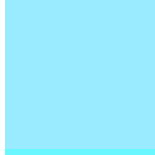
## Original Color

54.0595, 78.8686, 106.9817



## Protanomaly

59.5622, 73.7754, 96.6888



## Deuteranomaly

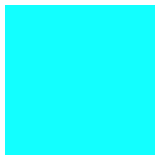
61.0848, 73.5067, 105.5764



## Tritanomaly

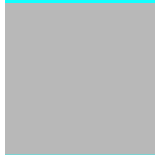
57.2546, 76.8057, 106.4151

# Monochromacy



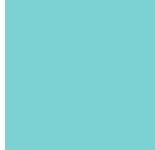
## Original Color

54.0595, 78.8686, 106.9817



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

42.9916, 55.0314, 69.3290

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.0595, 78.8686, 106.9817 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(18, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(18, 255, 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(18, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.0595, 78.8686, 106.9817 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(18, 255, 255) }
```



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

```
.border{ border-color:rgb(18, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(18, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.0595, 78.8686, 106.9817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 255, 255) }
```

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

```
.background{ background-color: rgb(18, 255,  
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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