

# Converting Colors

XYZ(60.5533, 76.5765, 90.3954)

Have a look what the booklet for  
XYZ(60.5533, 76.5765, 90.3954)  
contains.

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# **Color**

**XYZ(60.4578, 76.5703,  
90.1904)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CF2EB
RGB	156, 242, 235
RGB Percent	61%, 95%, 92%
CMY	0.3882, 0.0510, 0.0784
CMYK	0.36, 0.00, 0.03, 0.05
HSL	175°, 77%, 78%
HSV	175°, 36%, 95%
XYZ	60.4578, 76.5703, 90.1904
YIQ	215.4880, -49.0090, -20.4090

# Conversions

## Conversions Part 2

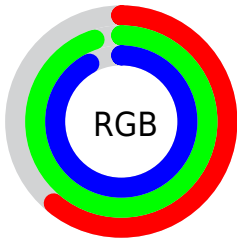
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	156, 201, 242
Decimal	10285803
CIE Lab	90.12, -27.42, -4.86
CIE LCh	90, 27.850, 190.046
Yxy	76.5703, 0.2661, 0.3370
Android (android.graphics.Color)	4288475883 (0xFF9CF2EB)
YUV	215.4880, 9.6194, -52.1710
Hunter-Lab	87.5045, -29.8052, 0.1432

# Details

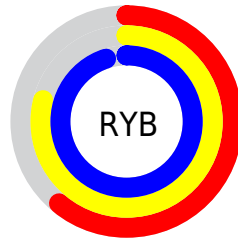
The XYZ color **60.4578, 76.5703, 90.1904** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.1199, 45.3006, 40.4919**, and the grayscale version is **64.8845, 68.2635, 74.3390**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **30.9511, 41.0818, 48.9461** is the 20% darker color. If you saturate the color by 10%, you get **55.9508, 74.2815, 88.5031**, and if you desaturate by 10%, it is **65.9053, 79.3474, 91.9415**.

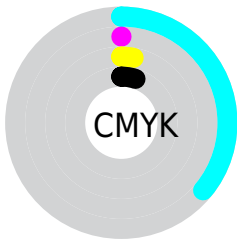
# Distribution



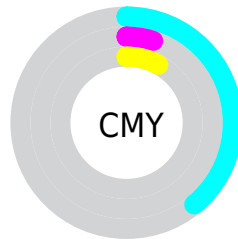
- Red (61%)
- Green (95%)
- Blue (92%)



- Red (61%)
- Yellow (79%)
- Blue (95%)



- Cyan (36%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)




- Cyan (39%)
- Magenta (5%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4578, 76.5703, 90.1904 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 60.4578, 76.5703, 90.1904 by changing the saturation by 10% instead.





 60.4578, 76.5703,  
90.1904


 60.4578, 76.5703,  
90.1904

416.0909,  
483.2977, 549.2361

 44.0386, 56.9003,  
67.5640


 104.5960,  
128.5327, 149.5407

 30.8989, 40.9252,  
49.0786


 133.0458,  
161.5939, 187.1016

 20.6733, 28.2606,  
34.3158


166.2365,  
199.8876, 230.4777

 12.9965, 18.5222,  
22.8570

204.5334,  
243.7983, 280.0877

 7.5031, 11.3256,  
14.2836

248.3020,  
293.7102, 336.3500

 3.8278, 6.2863,  
8.1772

297.9075,

 1.6052, 3.0199,

350.0078, 399.6831

4.1192

353.7154,  
413.0755, 470.5056

■ 0.3958, 1.1421,  
1.6909

■ 0.0000, 0.0137,  
0.3545

■ 60.4578, 76.5703,  
90.1904

■ 60.4578, 76.5703,  
90.1904

■ 55.9508, 74.2815,  
88.5031

■ 65.9053, 79.3474,  
91.9415

■ 52.3219, 72.4431,  
86.8716

■ 72.3377, 82.6300,  
93.7536

■ 49.5118, 71.0264,  
85.2948

■ 79.8047, 86.4456,  
95.6307

■ 47.4507, 69.9955,  
83.7693

■ 88.3506, 90.8170,  
97.5749

■ 46.0576, 69.3086,  
82.2914

■ 89.4526, 91.3505,  
99.1873

■ 45.2322, 68.9140,  
80.8562

■ 89.7549, 91.4714,  
100.7791

■ 44.9784, 68.7968,  
80.2263

■ 90.0604, 91.5936,  
102.3878

■ 90.3691, 91.7171,  
104.0135

■ 90.6810, 91.8419,  
105.6562

# Harmonies

## Analogous

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



60.9845, 76.5703, 71.0431



60.4578, 76.5703, 90.1904



63.0686, 76.5703, 110.3428

# Triad

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



60.4578, 76.5703, 90.1904



81.6697, 76.5703, 116.0431



77.4091, 76.5703, 52.4635

# Complementary

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



60.4578, 76.5703, 90.1904



55.1199, 45.3006, 40.4919

# 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.



83.4355, 76.5703, 61.1986



60.4578, 76.5703, 90.1904



86.0012, 76.5703, 97.0507

# Square

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



60.4578, 76.5703, 90.1904



75.1212, 76.5703, 126.7567



86.6671, 76.5703, 76.9063



70.4836, 76.5703, 51.2237

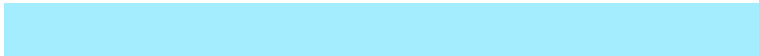


# Rectangle

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



60.4578, 76.5703, 90.1904



66.3403, 76.5703, 120.8973



86.6671, 76.5703, 76.9063



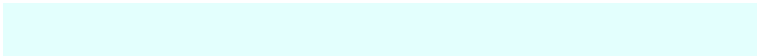
79.6188, 76.5703, 54.5464

# Sweetspot

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



60.4600, 76.5734, 90.1922



85.1072, 94.9165, 106.5266



52.8936, 73.7118, 42.8940



17.9758, 20.1931, 22.7398



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

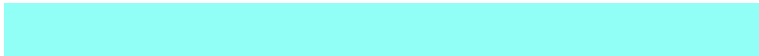


# Same Dimension

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



60.4600, 76.5734, 90.1922



64.1444, 84.2298, 100.1238



51.8510, 57.7041, 92.4130



16.1886, 17.9055, 20.0160



24.1862, 36.9665, 43.2248



2.0284, 3.0818, 3.6818



# Inverse Universe

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



55.1199, 45.3006, 40.4919



57.2749, 43.9603, 36.1599



61.4344, 58.9062, 39.5861



15.8250, 15.7797, 16.6348



19.7573, 10.1754, 1.3728

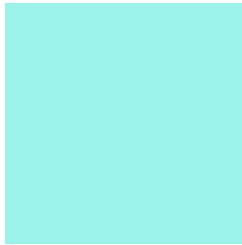


1.6615, 0.8536, 0.2084



# Previews

## White Background



This preview shows how the XYZ color 60.4578, 76.5703, 90.1904 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

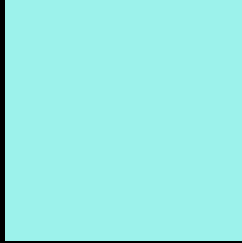
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.4578, 76.5703, 90.1904 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 60.4578, 76.5703, 90.1904

## Background



This preview shows how black text looks on a background with the XYZ color 60.4578, 76.5703, 90.1904.



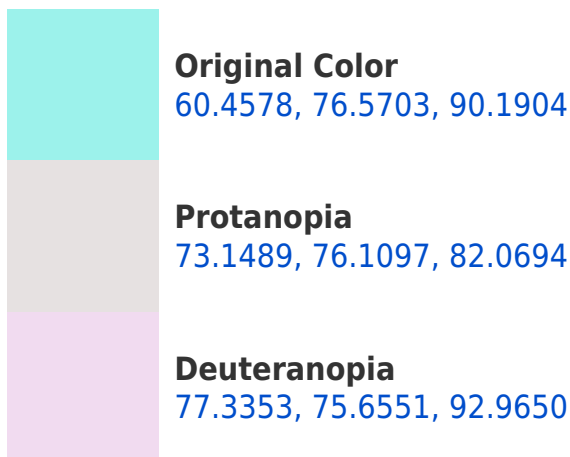
This preview shows how white text looks on a background with the XYZ color 60.4578, 76.5703,



# 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





## Tritanopia

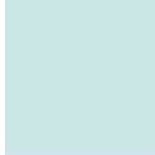
64.6964, 76.2234, 105.9105

# Trichromacy



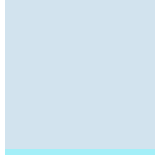
## Original Color

60.4578, 76.5703, 90.1904



## Protanomaly

67.3474, 75.5055, 85.1532



## Deuteranomaly

69.4800, 74.8129, 91.6673



## Tritanomaly

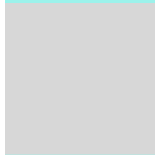
63.1196, 76.4028, 100.2274

# Monochromacy



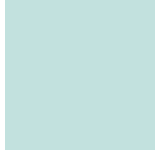
## Original Color

60.4578, 76.5703, 90.1904



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

62.3582, 70.5937, 79.4466

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.4578, 76.5703, 90.1904 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(156, 242, 235)` looks like.

```
.text, #text, p{  
    color:rgb(156, 242, 235)  
}
```

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(156, 242, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 242, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 60.4578, 76.5703, 90.1904 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(156, 242, 235) }
```



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

```
.border{ border-color:rgb(156, 242, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 242, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 242, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 242, 235);  
box-shadow:4px 4px 4px 4px rgb(156, 242,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.4578, 76.5703, 90.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 242, 235) }
```

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

```
.background{ background-color: rgb(156,  
242, 235) }
```

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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