

# Converting Colors

XYZ(66.1792, 79.9413,  
110.0703)

Have a look what the booklet for  
XYZ(66.1792, 79.9413, 110.0703)  
contains.

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# **Color**

**XYZ(65.5049, 79.7079,  
106.5404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3F4FF
RGB	163, 244, 255
RGB Percent	64%, 96%, 100%
CMY	0.3608, 0.0431, 0.0000
CMYK	0.36, 0.04, 0.00, 0.00
HSL	187°, 100%, 82%
HSV	187°, 36%, 100%
XYZ	65.5049, 79.7079, 106.5404
YIQ	221.0350, -51.8070, -13.7510

# Conversions

## Conversions Part 2

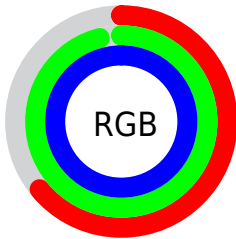
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 206, 255
Decimal	10745087
CIE <sub>Lab</sub>	91.55, -21.94, -13.12
CIE <sub>LCh</sub>	92, 25.562, 210.876
Yxy	79.7079, 0.2602, 0.3166
Android (android.graphics.Color)	4288935167 (0xFFA3F4FF)
YUV	221.0350, 16.7447, -50.8967
Hunter-Lab	89.2793, -25.2719, -8.2575

# Details

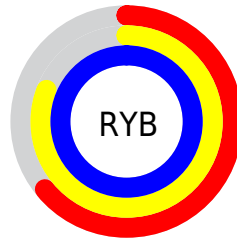
The XYZ color **65.5049, 79.7079, 106.5404** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.9871, 54.1764, 41.7894**, and the grayscale version is **68.6659, 72.2418, 78.6714**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **34.2397, 43.1695, 59.9540** is the 20% darker color. If you saturate the color by 10%, you get **59.8918, 75.4659, 106.0175**, and if you desaturate by 10%, it is **72.1901, 84.5289, 107.1186**.

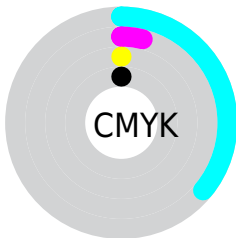
# Distribution



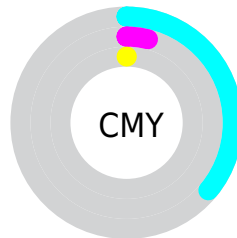
- Red (64%)
- Green (96%)
- Blue (100%)



- Red (64%)
- Yellow (81%)
- Blue (100%)



- Cyan (36%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5049, 79.7079, 106.5404 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 65.5049, 79.7079, 106.5404 by changing the saturation by 10% instead.



65.5049, 79.7079,  
106.5404

65.5049, 79.7079,  
106.5404

434.1207,  
493.9479, 602.3893

48.1368, 59.4780,  
81.1266

111.8371,  
132.9550, 172.2465

34.1470, 42.9980,  
60.1143

141.5320,  
166.7410, 213.3759

23.1699, 29.8836,  
43.0848

176.0664,  
205.8144, 260.5810

14.8404, 19.7502,  
29.6198

215.8059,  
250.5598, 314.2801

8.7931, 12.2136,  
19.3006

261.1157,  
301.3614, 374.8920

4.6625, 6.8893,  
11.7087

312.3612,

2.0833, 3.3930,

358.6037, 442.8351

6.4255

369.9078,  
422.6711, 518.5280

■ 0.6801, 1.3402,  
3.0326

■ 0.0000, 0.1720,  
1.1113

■ 65.5049, 79.7079,  
106.5404

■ 65.5049, 79.7079,  
106.5404

■ 59.8918, 75.4659,  
106.0175

■ 72.1901, 84.5289,  
107.1186

■ 55.2805, 71.7609,  
105.5454

■ 79.9994, 89.9501,  
107.7534

■ 51.6028, 68.5595,  
105.1213

■ 88.9889, 96.0025,  
108.4479

■ 48.7787, 65.8203,  
104.7414

■ 95.0500, 100.0000,  
108.9000

■ 46.7148, 63.4950,  
104.4014

■ 45.2948, 61.5237,  
104.0957

■ 44.8461, 60.8122,  
103.9820

# Harmonies

## Analogous

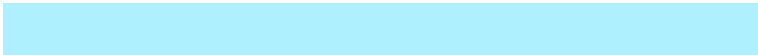
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9075, 79.7079, 87.3380



65.5049, 79.7079, 106.5404



69.8227, 79.7079, 122.0685

# Triad

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



65.5049, 79.7079, 106.5404



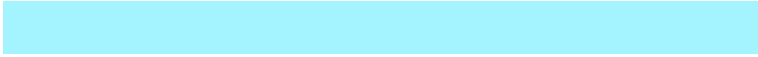
87.2434, 79.7079, 105.4549



75.5686, 79.7079, 55.6207

# Complementary

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



65.5049, 79.7079, 106.5404



62.9871, 54.1764, 41.7894

# 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.



82.0246, 79.7079, 59.0592



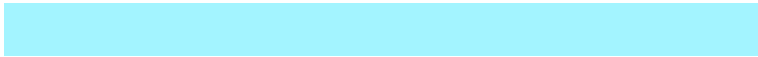
65.5049, 79.7079, 106.5404



88.9941, 79.7079, 86.2410

# Square

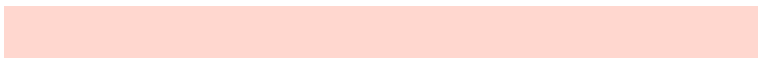
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.5049, 79.7079, 106.5404



82.3748, 79.7079, 121.3813



87.0331, 79.7079, 69.6422



69.5091, 79.7079, 59.4846

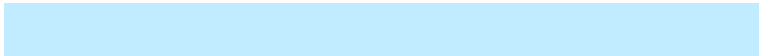


# Rectangle

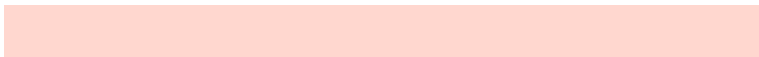
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.5049, 79.7079, 106.5404



73.7900, 79.7079, 127.2671



87.0331, 79.7079, 69.6422



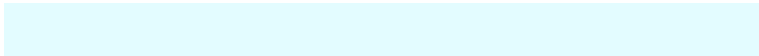
77.7647, 79.7079, 55.9558

# Sweetspot

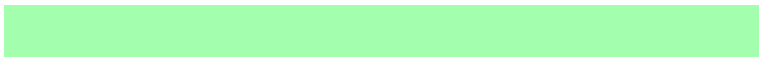
The Sweet Spot groups the original color and five complimentary colors.



65.5070, 79.7109, 106.5409



84.4126, 92.9423, 108.0984



58.4794, 82.3527, 52.7234



17.8090, 19.7190, 23.1175



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

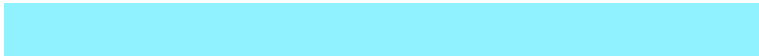


# Same Dimension

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



65.5070, 79.7109, 106.5409



61.5095, 76.7130, 106.1729



53.4107, 55.5182, 102.5088



18.3586, 20.0889, 23.1599



23.5065, 31.9226, 54.3573



2.3388, 3.2083, 5.3093



# Inverse Universe

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



70.6677, 53.9877, 92.2875



67.4301, 48.0224, 89.6365



73.3748, 74.9518, 45.2520



18.6937, 18.2608, 22.2700



28.6532, 13.9506, 38.4198

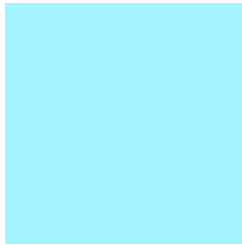


2.8151, 1.3684, 3.8739



# Previews

## White Background



This preview shows how the XYZ color 65.5049, 79.7079, 106.5404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

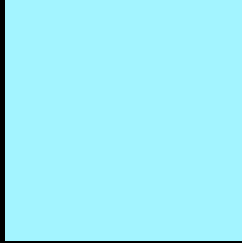
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.5049, 79.7079, 106.5404 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 65.5049, 79.7079, 106.5404

## Background



This preview shows how black text looks on a background with the XYZ color 65.5049, 79.7079, 106.5404.



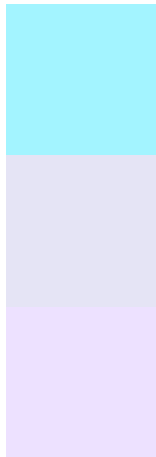
This preview shows how white text looks on a background with the XYZ color 65.5049, 79.7079,



# 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

65.5049, 79.7079, 106.5404

### Protanopia

76.5379, 78.7374, 97.5501

### Deuteranopia

79.9003, 79.0750, 105.6595



## **Tritanopia**

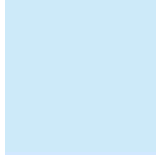
68.7385, 79.6075, 106.3506

# Trichromacy



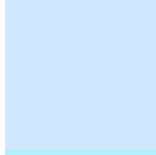
## Original Color

65.5049, 79.7079, 106.5404



## Protanomaly

71.6985, 78.6643, 101.0273



## Deuteranomaly

73.4850, 78.6349, 105.9127



## Tritanomaly

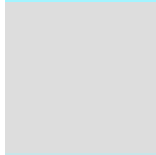
67.4098, 79.3607, 106.3730

# Monochromacy



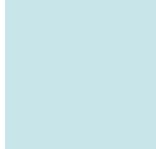
## Original Color

65.5049, 79.7079, 106.5404



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

66.5467, 74.2012, 87.9057

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.5049, 79.7079, 106.5404 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(163, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 244, 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(163, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 244, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 65.5049, 79.7079, 106.5404 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(163, 244, 255) }
```



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

```
.border{ border-color:rgb(163, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 244,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.5049, 79.7079, 106.5404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 244, 255) }
```

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

```
.background{ background-color: rgb(163,  
244, 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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