

# Converting Colors

XYZ(66.0189, 82.9670,  
105.9228)

Have a look what the booklet for  
XYZ(66.0189, 82.9670, 105.9228)  
contains.

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# Color

**XYZ(66.2912, 83.3182,  
106.3540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DFBFE
RGB	157, 251, 254
RGB Percent	62%, 98%, 100%
CMY	0.3843, 0.0157, 0.0039
CMYK	0.38, 0.01, 0.00, 0.00
HSL	182°, 98%, 81%
HSV	182°, 38%, 100%
XYZ	66.2912, 83.3182, 106.3540
YIQ	223.2360, -56.9870, -18.9950

# Conversions

## Conversions Part 2

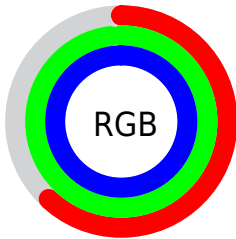
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	157, 205, 254
Decimal	10353662
CIE Lab	93.15, -27.08, -10.24
CIE LCh	93, 28.949, 200.723
Yxy	83.3182, 0.2590, 0.3255
Android (android.graphics.Color)	4288543742 (0xFF9DFBFE)
YUV	223.2360, 15.1667, -58.0890
Hunter-Lab	91.2788, -30.1023, -5.1869

# Details

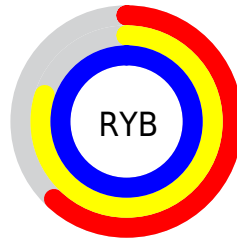
The XYZ color **66.2912, 83.3182, 106.3540** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.5309, 48.6478, 38.1526**, and the grayscale version is **70.2336, 73.8912, 80.4676**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **34.6254, 45.3241, 59.7468** is the 20% darker color. If you saturate the color by 10%, you get **61.5974, 80.5372, 106.0660**, and if you desaturate by 10%, it is **72.0210, 86.6388, 106.6944**.

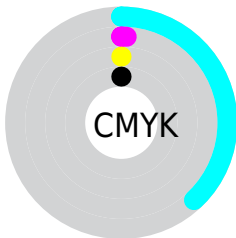
# Distribution



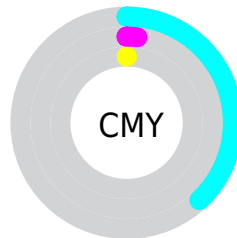
- Red (62%)
- Green (98%)
- Blue (100%)



- Red (62%)
- Yellow (80%)
- Blue (100%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2912, 83.3182, 106.3540 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 66.2912, 83.3182, 106.3540 by changing the saturation by 10% instead.



66.2912, 83.3182,  
106.3540

66.2912, 83.3182,  
106.3540

436.8898,  
506.0464, 601.7975

48.7774, 62.4527,  
80.9712

112.9596,  
138.0210, 171.9897

34.6567, 45.3986,  
59.9870

142.8449,  
172.6272, 213.0797

23.5639, 31.7715,  
42.9829

177.5848,  
212.5823, 260.2425

15.1334, 21.1870,  
29.5404

217.5446,  
258.2707, 313.8967

9.0000, 13.2608,  
19.2409

263.0896,  
310.0770, 374.4607

4.7983, 7.6084,  
11.6659

314.5852,

2.1629, 3.8454,

368.3854, 442.3532

6.3969

372.3969,  
433.5804, 517.9926

■ 0.7231, 1.5875,  
3.0152

■ 0.0000, 0.3491,  
1.1024

■ 66.2912, 83.3182,  
106.3540

■ 66.2912, 83.3182,  
106.3540

■ 61.5974, 80.5372,  
106.0660

■ 72.0210, 86.6388,  
106.6944

■ 57.8680, 78.2529,  
105.8217

■ 78.8382, 90.5194,  
107.0841

■ 55.0337, 76.4315,  
105.6195

■ 86.7996, 94.9915,  
107.5277

■ 53.0133, 75.0312,  
105.4557

94.6172, 99.3909,  
107.9648

■ 51.7104, 74.0023, 94.8669, 99.8904,  
105.3258 108.0481

■ 50.9929, 73.2767, 94.8897, 99.9359,  
105.2235 108.0557

■ 50.8919, 73.1604,  
105.2064

# Harmonies

## Analogous

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



65.6232, 83.3182, 84.1366



66.2912, 83.3182, 106.3540



70.2932, 83.3182, 127.1381

# Triad

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



66.2912, 83.3182, 106.3540



91.0545, 83.3182, 119.8867



81.5713, 83.3182, 55.3578

# Complementary

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



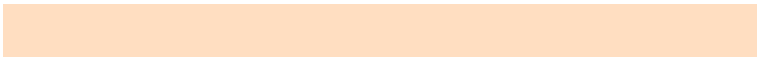
66.2912, 83.3182, 106.3540



59.5309, 48.6478, 38.1526

# 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.



88.8106, 83.3182, 62.0182



66.2912, 83.3182, 106.3540



94.5117, 83.3182, 97.6368

# Square

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



66.2912, 83.3182, 106.3540



84.4774, 83.3182, 135.7783



93.6653, 83.3182, 76.6973



74.1307, 83.3182, 56.9271

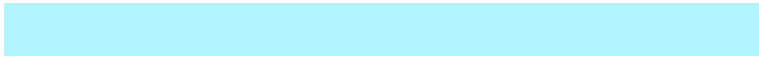


# Rectangle

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



66.2912, 83.3182, 106.3540



74.4630, 83.3182, 136.2517



93.6653, 83.3182, 76.6973



84.1159, 83.3182, 56.6626

# Sweetspot

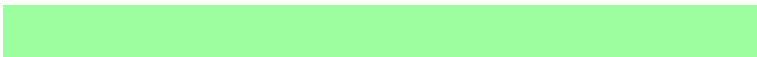
The Sweet Spot groups the original color and five complimentary colors.



66.2937, 83.3215, 106.3559



85.1969, 94.5110, 108.3598



55.5730, 80.5433, 45.2461



17.9974, 20.0956, 23.1802



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

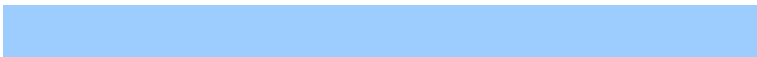
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.2937, 83.3215, 106.3559



63.0962, 81.8268, 107.0764



53.3610, 57.4561, 102.0450



18.5039, 20.3794, 23.2083



26.8517, 38.6130, 55.4724



2.6290, 3.7887, 5.4060



# Inverse Universe

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



70.3446, 52.1519, 97.6291



67.7573, 46.3397, 96.9505



69.3017, 68.1893, 41.4095



18.7670, 18.2901, 22.6561



30.3417, 14.6260, 47.3114

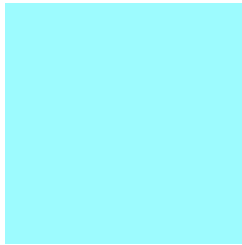


2.9616, 1.4270, 4.6452



# Previews

## White Background



This preview shows how the XYZ color 66.2912, 83.3182, 106.3540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

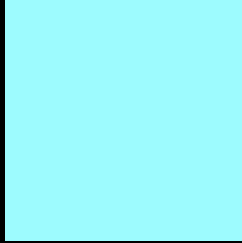
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.2912, 83.3182, 106.3540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

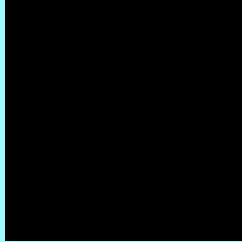
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.2912, 83.3182, 106.3540

## Background



This preview shows how black text looks on a background with the XYZ color 66.2912, 83.3182, 106.3540.



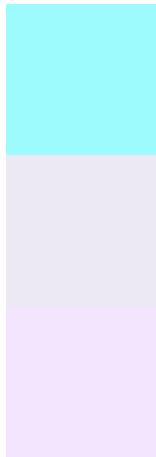
This preview shows how white text looks on a background with the XYZ color 66.2912, 83.3182,



# 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

66.2912, 83.3182, 106.3540

### Protanopia

79.9086, 82.5818, 96.5223

### Deuteranopia

83.3775, 82.4917, 106.1358



## Tritanopia

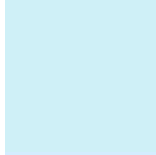
72.8655, 83.0569, 106.7989

# Trichromacy



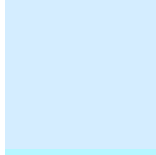
## Original Color

66.2912, 83.3182, 106.3540



## Protanomaly

73.6807, 82.3010, 99.9980



## Deuteranomaly

75.4856, 81.7854, 106.4154



## Tritanomaly

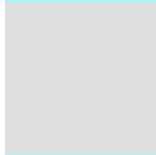
70.2972, 83.0766, 106.9381

# Monochromacy



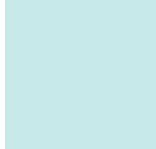
## Original Color

66.2912, 83.3182, 106.3540



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

67.5434, 76.3605, 89.0210

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.2912, 83.3182, 106.3540 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(157, 251, 254)` looks like.

```
.text, #text, p{  
    color:rgb(157, 251, 254)  
}
```

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(157, 251, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 251, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 66.2912, 83.3182, 106.3540 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(157, 251, 254) }
```



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

```
.border{ border-color:rgb(157, 251, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 251, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 251, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 251, 254);  
box-shadow:4px 4px 4px 4px rgb(157, 251,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.2912, 83.3182, 106.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 251, 254) }
```

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

```
.background{ background-color: rgb(157,  
251, 254) }
```

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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