

# Converting Colors

XYZ(68.7676, 81.8719,  
106.7862)

Have a look what the booklet for  
XYZ(68.7676, 81.8719, 106.7862)  
contains.

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# Color

**XYZ(68.8339, 81.8719,  
106.7827)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1F5FF
RGB	177, 245, 255
RGB Percent	69%, 96%, 100%
CMY	0.3059, 0.0392, 0.0000
CMYK	0.31, 0.04, 0.00, 0.00
HSL	188°, 100%, 85%
HSV	188°, 31%, 100%
XYZ	68.8339, 81.8719, 106.7827
YIQ	225.8080, -43.7380, -11.3060

# Conversions

## Conversions Part 2

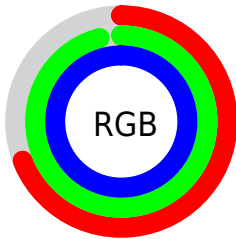
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 213, 255
Decimal	11662847
CIELab	92.52, -18.74, -11.61
CIElCh	93, 22.042, 211.770
Yxy	81.8719, 0.2673, 0.3180
Android (android.graphics.Color)	4289852927 (0xFFB1F5FF)
YUV	225.8080, 14.3917, -42.8046
Hunter-Lab	90.4831, -22.5537, -6.6323

# Details

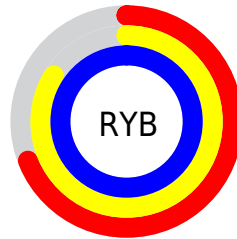
The XYZ color **68.8339, 81.8719, 106.7827** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9464, 59.9748, 49.6448**, and the grayscale version is **72.0739, 75.8274, 82.5760**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **36.4167, 44.6100, 60.1173** is the 20% darker color. If you saturate the color by 10%, you get **62.5800, 77.1951, 106.2096**, and if you desaturate by 10%, it is **76.1949, 87.1494, 107.4134**.

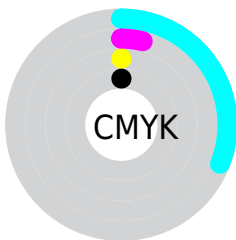
# Distribution



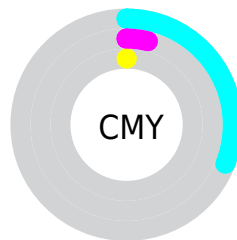
- Red (69%)
- Green (96%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8339, 81.8719, 106.7827 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 68.8339, 81.8719, 106.7827 by changing the saturation by 10% instead.



68.8339, 81.8719,  
106.7827

68.8339, 81.8719,  
106.7827

445.7755,  
501.2191, 603.1580

50.8526, 61.2600,  
81.3287

116.5797,  
135.9943, 172.5803

36.3119, 44.4350,  
60.2797

147.0749,  
170.2736, 213.7609

24.8464, 31.0126,  
43.2174

182.4720,  
209.8775, 261.0207

16.0908, 20.6085,  
29.7230

223.1366,  
255.1903, 314.7784

9.6797, 12.8381,  
19.3782

269.4338,  
306.5965, 375.4524

5.2477, 7.3172,  
11.7643

321.7292,

2.4296, 3.6612,

364.4804, 443.4613

6.4628

380.3879,  
429.2265, 519.2237

■ 0.8599, 1.4859,  
3.0552

■ 0.0000, 0.2788,  
1.1229

■ 68.8339, 81.8719,  
106.7827

■ 68.8339, 81.8719,  
106.7827

■ 62.5800, 77.1951,  
106.2096

■ 76.1949, 87.1494,  
107.4134

■ 57.3659, 73.0782,  
105.6897

■ 84.7123, 93.0470,  
108.1028

■ 53.1272, 69.4898,  
105.2205

■ 94.4405, 99.5950,  
108.8540

■ 49.7896, 66.3914,  
104.7984

■ 95.0500, 100.0000,  
108.9000

■ 47.2677, 63.7388,  
104.4193

■ 45.4594, 61.4795,  
104.0785

■ 44.2565, 59.6331,  
103.7855

# Harmonies

## Analogous

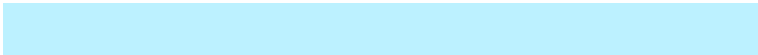
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.3310, 81.8719, 90.1212



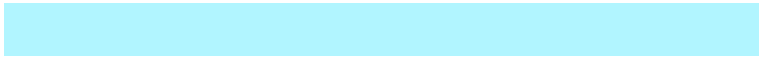
68.8339, 81.8719, 106.7827



72.7284, 81.8719, 119.8835

# Triad

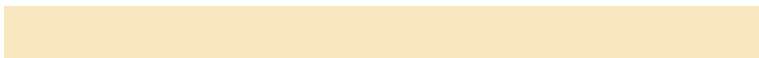
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8339, 81.8719, 106.7827



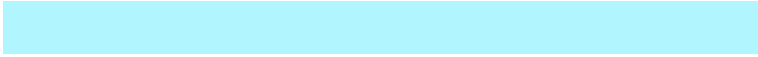
87.9171, 81.8719, 104.8930



77.4775, 81.8719, 61.2166

# Complementary

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



68.8339, 81.8719, 106.7827



66.9464, 59.9748, 49.6448

# 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.



83.1372, 81.8719, 64.1679



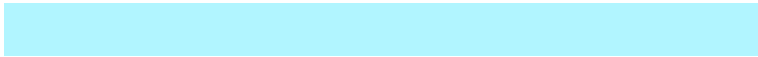
68.8339, 81.8719, 106.7827



89.3384, 81.8719, 88.1751

# Square

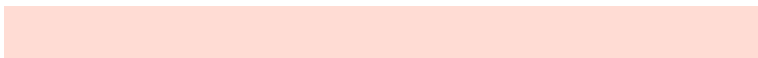
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8339, 81.8719, 106.7827



83.7537, 81.8719, 118.7019



87.5490, 81.8719, 73.5642



72.1673, 81.8719, 64.9526

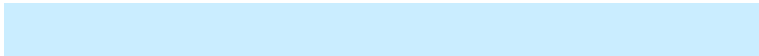


# Rectangle

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



68.8339, 81.8719, 106.7827



76.2526, 81.8719, 124.1025



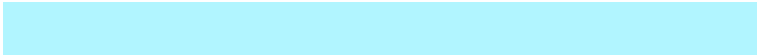
87.5490, 81.8719, 73.5642



79.4022, 81.8719, 61.4577

# Sweetspot

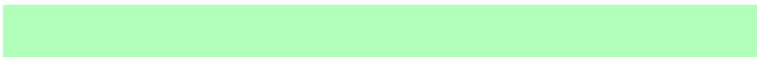
The Sweet Spot groups the original color and five complimentary colors.



68.8361, 81.8751, 106.7832



86.1738, 94.0420, 108.2178



62.7662, 84.4171, 59.4980



18.1577, 19.9334, 23.1405



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

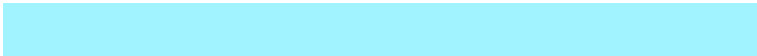


# Same Dimension

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



68.8361, 81.8751, 106.7832



64.7008, 78.8073, 106.4090



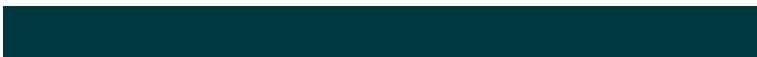
58.4715, 61.1459, 103.3283



18.3446, 20.0608, 23.1552



23.2027, 31.3150, 54.2561



2.3122, 3.1551, 5.3004



# Inverse Universe

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



73.4450, 59.2986, 93.9646



70.0877, 53.0931, 91.2757



76.1288, 78.3398, 52.7056



18.6866, 18.2579, 22.2326



28.4999, 13.8892, 37.6123

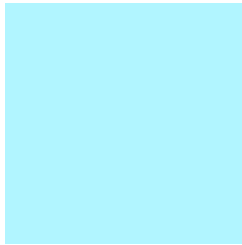


2.8017, 1.3631, 3.8032



# Previews

## White Background



This preview shows how the XYZ color 68.8339, 81.8719, 106.7827 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

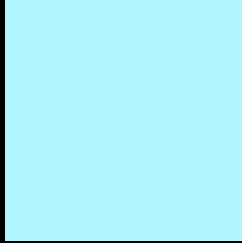
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8339, 81.8719, 106.7827 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

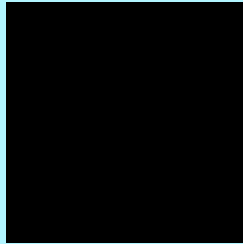
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.8339, 81.8719, 106.7827

## Background



This preview shows how black text looks on a background with the XYZ color 68.8339, 81.8719, 106.7827.



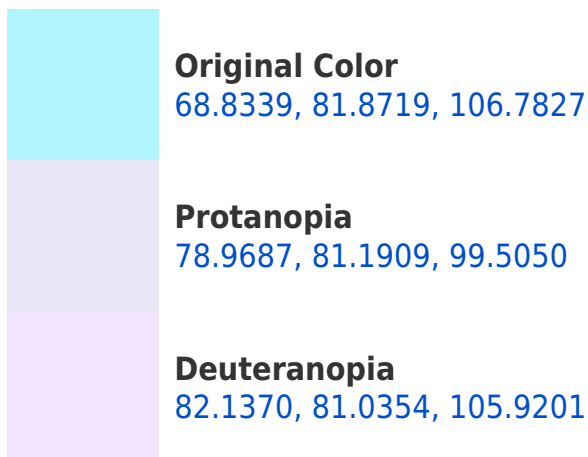
This preview shows how white text looks on a background with the XYZ color 68.8339, 81.8719,



# 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

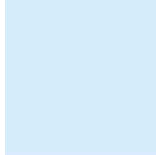
72.2702, 81.8664, 106.6005

# Trichromacy



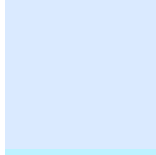
## Original Color

68.8339, 81.8719, 106.7827



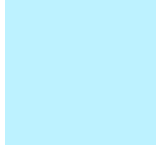
## Protanomaly

74.6913, 81.0392, 102.1479



## Deuteranomaly

76.3863, 80.9711, 106.2107



## Tritanomaly

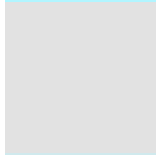
70.7884, 81.5431, 106.6162

# Monochromacy



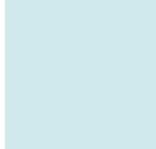
## Original Color

68.8339, 81.8719, 106.7827



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

70.4374, 77.8021, 91.4256

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8339, 81.8719, 106.7827 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(177, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 245, 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(177, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8339, 81.8719, 106.7827 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(177, 245, 255) }
```



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

```
.border{ border-color:rgb(177, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8339, 81.8719, 106.7827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 245, 255) }
```

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

```
.background{ background-color: rgb(177,  
245, 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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