

# Converting Colors

XYZ(67.3658, 77.6912,  
105.6329)

Have a look what the booklet for  
XYZ(67.3658, 77.6912, 105.6329)  
contains.

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# **Color**

**XYZ(67.3902, 77.6121,  
106.0365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5EDFF
RGB	181, 237, 255
RGB Percent	71%, 93%, 100%
CMY	0.2902, 0.0706, 0.0000
CMYK	0.29, 0.07, 0.00, 0.00
HSL	195°, 100%, 85%
HSV	195°, 29%, 100%
XYZ	67.3902, 77.6121, 106.0365
YIQ	222.3080, -39.1540, -6.2740

# Conversions

## Conversions Part 2

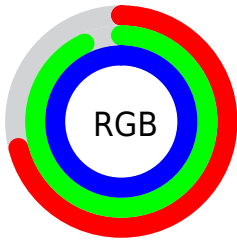
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 213, 255
Decimal	11922943
CIELab	90.60, -13.64, -14.44
CIELCh	91, 19.869, 226.633
Yxy	77.6121, 0.2684, 0.3092
Android (android.graphics.Color)	4290113023 (0xFFB5EDFF)
YUV	222.3080, 16.1172, -36.2271
Hunter-Lab	88.0977, -17.6278, -9.6944

# Details

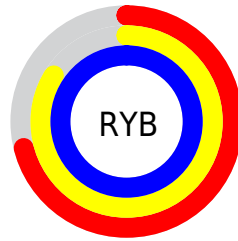
The XYZ color **67.3902, 77.6121, 106.0365** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0040, 65.4426, 52.6599**, and the grayscale version is **69.5600, 73.1825, 79.6958**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **35.3211, 41.5606, 59.5865** is the 20% darker color. If you saturate the color by 10%, you get **60.1852, 71.2801, 105.1941**, and if you desaturate by 10%, it is **75.7558, 84.6385, 106.9518**.

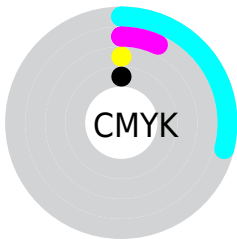
# Distribution



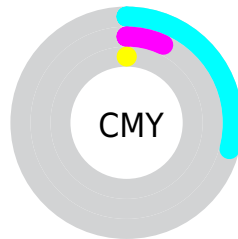
- Red (71%)
- Green (93%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3902, 77.6121, 106.0365 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 67.3902, 77.6121, 106.0365 by changing the saturation by 10% instead.



67.3902, 77.6121,  
106.0365

67.3902, 77.6121,  
106.0365

440.7431,  
486.8485, 600.7889

49.6737, 57.7554,  
80.7065

114.5261,  
130.0032, 171.5522

35.3709, 41.6120,  
59.7703

144.6761,  
163.3063, 212.5750

24.1166, 28.7976,  
42.8094

179.7013,  
201.8604, 259.6658

15.5453, 18.9278,  
29.4053

219.9671,  
246.0498, 313.2432

9.2918, 11.6181,  
19.1394

265.8389,  
296.2589, 373.7256

4.9906, 6.4842,  
11.5933

317.6819,

2.2765, 3.1417,

352.8721, 441.5317

6.3482

375.8615,  
416.2738, 517.0800

■ 0.7826, 1.2061,  
2.9857

■ 0.0000, 0.0667,  
1.0874

■ 67.3902, 77.6121,  
106.0365

■ 67.3902, 77.6121,  
106.0365

■ 60.1852, 71.2801,  
105.1941

■ 75.7558, 84.6385,  
106.9518

■ 54.0740, 65.6013,  
104.4201

■ 85.3315, 92.3798,  
107.9414

■ 48.9928, 60.5439,  
103.7117

95.0500, 100.0000,  
108.9000

■ 44.8679, 56.0688,  
103.0653

■ 41.6154, 52.1319,  
102.4768

■ 39.1360, 48.6809,  
101.9414

■ 37.2830, 45.6394,  
101.4520

■ 37.1168, 45.3535,  
101.4056

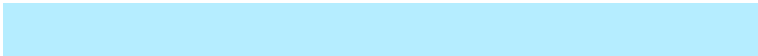
# Harmonies

## Analogous

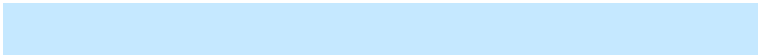
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.9737, 77.6121, 92.5964



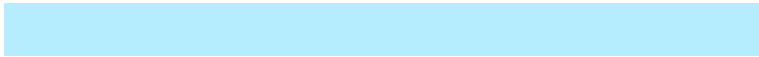
67.3902, 77.6121, 106.0365



71.5777, 77.6121, 114.0725

# Triad

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



67.3902, 77.6121, 106.0365



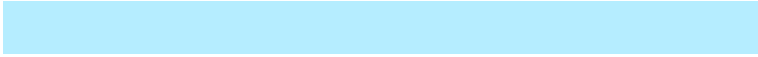
83.4753, 77.6121, 91.0018



71.0626, 77.6121, 60.8732

# Complementary

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



67.3902, 77.6121, 106.0365



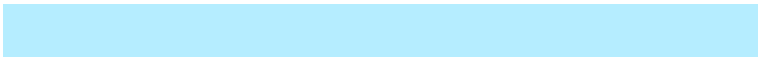
70.0040, 65.4426, 52.6599

# 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.



76.0024, 77.6121, 60.5489



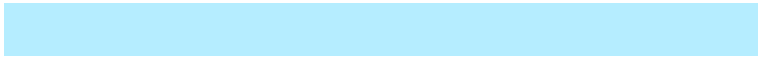
67.3902, 77.6121, 106.0365



83.3220, 77.6121, 76.9018

# Square

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



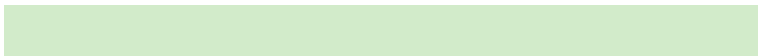
67.3902, 77.6121, 106.0365



80.9456, 77.6121, 104.7566



80.5360, 77.6121, 66.1077

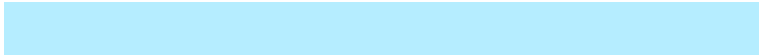


67.0277, 77.6121, 67.0500



# Rectangle

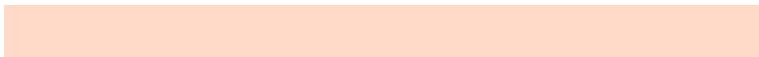
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



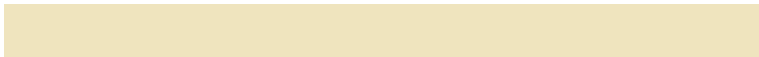
67.3902, 77.6121, 106.0365



74.8789, 77.6121, 114.7566



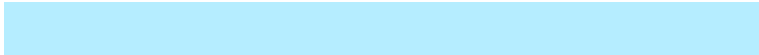
80.5360, 77.6121, 66.1077



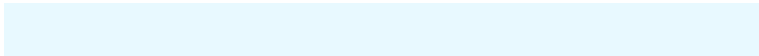
72.6681, 77.6121, 60.1024

# Sweetspot

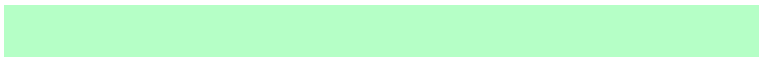
The Sweet Spot groups the original color and five complimentary colors.



67.3923, 77.6151, 106.0370



85.3502, 92.3947, 107.9433



65.0410, 85.4338, 66.6514



17.9536, 19.5254, 23.0725



0.0000, 0.0000, 0.0000

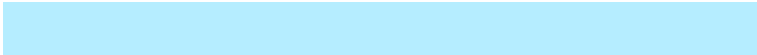


20.3446, 21.4041, 23.3091

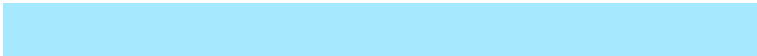


# Same Dimension

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



67.3923, 77.6151, 106.0370



62.9460, 73.7450, 105.5243



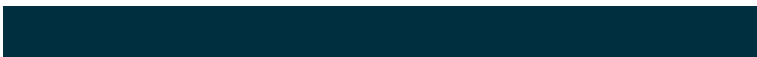
57.9319, 58.6943, 102.8835



18.1586, 19.6889, 23.0932



19.5171, 23.9438, 53.0275



1.9854, 2.5014, 5.1915



# Inverse Universe

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



73.0513, 60.4238, 87.9369



69.5810, 54.3417, 84.1336



79.3658, 84.1663, 55.7805



18.5927, 18.2204, 21.7384



26.6395, 13.1451, 27.8159

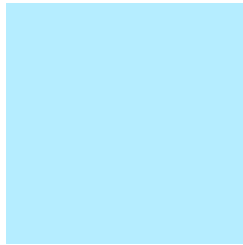


2.6367, 1.2971, 2.9344



# Previews

## White Background



This preview shows how the XYZ color 67.3902, 77.6121, 106.0365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

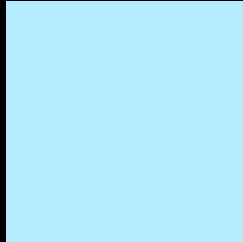
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3902, 77.6121, 106.0365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

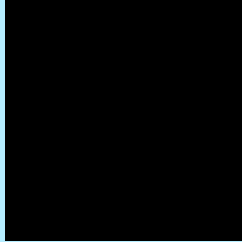
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 67.3902, 77.6121, 106.0365

## Background



This preview shows how black text looks on a background with the XYZ color 67.3902, 77.6121, 106.0365.



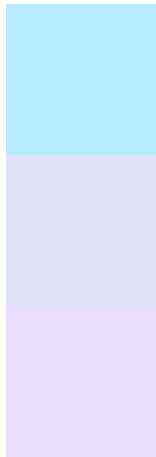
This preview shows how white text looks on a background with the XYZ color 67.3902, 77.6121,



# 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

67.3902, 77.6121, 106.0365

### Protanopia

75.1910, 77.1776, 99.7407

### Deuteranopia

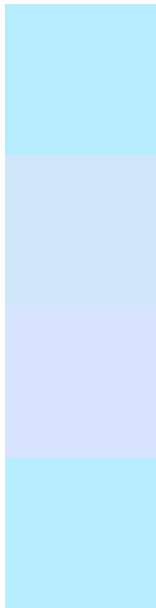
78.1030, 76.9550, 105.3451



## Tritanopia

67.8626, 77.8557, 106.0586

# Trichromacy



**Original Color**

67.3902, 77.6121, 106.0365

**Protanomaly**

72.0039, 77.1140, 102.3563

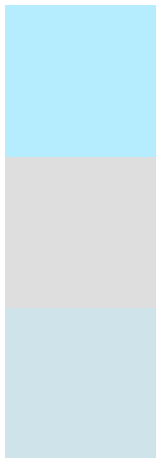
**Deuteranomaly**

73.5434, 76.6052, 105.5179

**Tritanomaly**

67.6256, 77.7335, 106.0476

# Monochromacy



**Original Color**

67.3902, 77.6121, 106.0365

**Achromatopsia**

69.4303, 73.0461, 79.5472

**Achromatomaly**

68.0525, 74.1441, 88.5664

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3902, 77.6121, 106.0365 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(181, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 237, 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(181, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 237, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3902, 77.6121, 106.0365 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(181, 237, 255) }
```



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

```
.border{ border-color:rgb(181, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(181, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 237,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3902, 77.6121, 106.0365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 237, 255) }
```

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

```
.background{ background-color: rgb(181,  
237, 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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