

# Converting Colors

XYZ(67.2239, 76.3649,  
105.8046)

Have a look what the booklet for  
XYZ(67.2239, 76.3649, 105.8046)  
contains.

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# **Color**

**XYZ(67.2400, 76.2560,  
105.7827)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8EAFF
RGB	184, 234, 255
RGB Percent	72%, 92%, 100%
CMY	0.2784, 0.0823, 0.0000
CMYK	0.28, 0.08, 0.00, 0.00
HSL	198°, 100%, 86%
HSV	198°, 28%, 100%
XYZ	67.2400, 76.2560, 105.7827
YIQ	221.4440, -36.5410, -4.0690

# Conversions

## Conversions Part 2

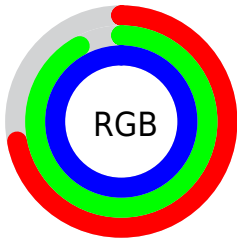
Format	Color
<a href="#">RYB</a>	<a href="#">184, 213, 255</a>
Decimal	<a href="#">12118783</a>
CIELab	<a href="#">89.98, -11.28, -15.36</a>
CIELCh	<a href="#">90, 19.061, 233.705</a>
Yxy	<a href="#">76.2560, 0.2697, 0.3059</a>
Android (android.graphics.Color)	<a href="#">4290308863</a> ( <a href="#">0xFFB8EAFF</a> )
YUV	<a href="#">221.4440, 16.5431, -32.8384</a>
Hunter-Lab	<a href="#">87.3247, -15.3732, -10.6950</a>

# Details

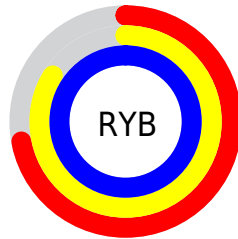
The XYZ color **67.2400, 76.2560, 105.7827** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7231, 68.3829, 54.7683**, and the grayscale version is **68.9467, 72.5373, 78.9931**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **35.1667, 40.5851, 59.4063** is the 20% darker color. If you saturate the color by 10%, you get **59.5723, 69.1854, 104.8221**, and if you desaturate by 10%, it is **76.1042, 84.0829, 106.8262**.

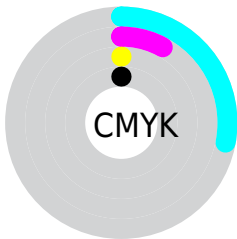
# Distribution



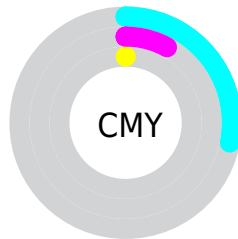
- Red (72%)
- Green (92%)
- Blue (100%)



- Red (72%)
- Yellow (84%)
- Blue (100%)



- Cyan (28%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2400, 76.2560, 105.7827 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 67.2400, 76.2560, 105.7827 by changing the saturation by 10% instead.



67.2400, 76.2560,  
105.7827

67.2400, 76.2560,  
105.7827

440.2176,  
482.2236, 599.9820

49.5511, 56.6425,  
80.4949

114.3121,  
128.0887, 171.2024

35.2732, 40.7182,  
59.5971

144.4261,  
161.0767, 212.1715

24.0409, 28.0990,  
42.6708

179.4124,  
199.2915, 259.2046

15.4889, 18.4003,  
29.2974

219.6366,  
243.1177, 312.7205

9.2517, 11.2378,  
19.0584

265.4638,  
292.9396, 373.1377

4.9642, 6.2270,  
11.5353

317.2595,

2.2608, 2.9836,

349.1417, 440.8746

6.3094

375.3890,  
412.1082, 516.3499

■ 0.7745, 1.1232,  
2.9623

■ 0.0000, 0.0000,  
1.0754

■ 67.2400, 76.2560,  
105.7827

■ 67.2400, 76.2560,  
105.7827

■ 59.5723, 69.1854,  
104.8221

■ 76.1042, 84.0829,  
106.8262

■ 53.0347, 62.8294,  
103.9398

■ 86.2145, 92.6876,  
107.9542

■ 47.5633, 57.1554,  
103.1330

95.0500, 100.0000,  
108.9000

■ 43.0849, 52.1239,  
102.3979

■ 39.5167, 47.6904,  
101.7302

■ 36.7609, 43.8027,  
101.1250

■ 34.6870, 40.3918,  
100.5759

■ 34.2886, 39.6972,  
100.4629

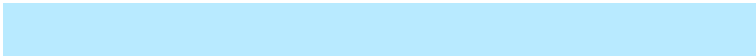
# Harmonies

## Analogous

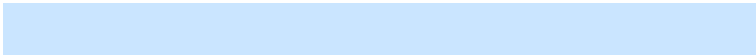
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.4850, 76.2560, 93.9205



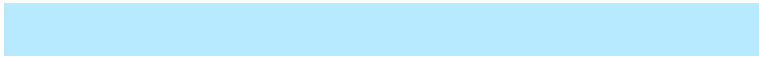
67.2400, 76.2560, 105.7827



71.4888, 76.2560, 111.6278

# Triad

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



67.2400, 76.2560, 105.7827



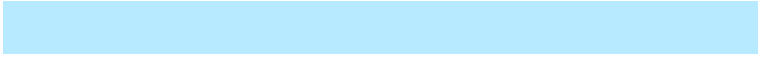
81.8764, 76.2560, 85.9115



68.8923, 76.2560, 61.4382

# Complementary

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



67.2400, 76.2560, 105.7827



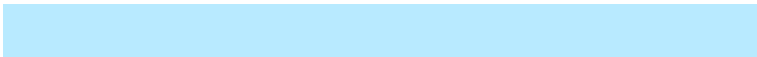
71.7231, 68.3829, 54.7683

# 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.



73.4784, 76.2560, 59.7878



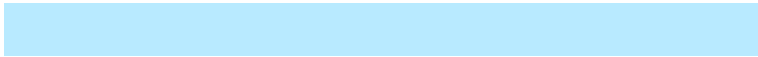
67.2400, 76.2560, 105.7827



81.1078, 76.2560, 73.0154

# Square

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



67.2400, 76.2560, 105.7827



80.0403, 76.2560, 99.3801



77.9834, 76.2560, 63.7985

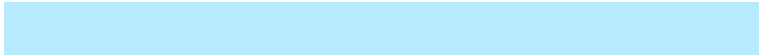


65.4096, 76.2560, 68.5790



# Rectangle

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



67.2400, 76.2560, 105.7827



74.6500, 76.2560, 110.9189



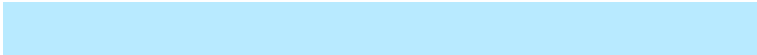
77.9834, 76.2560, 63.7985



70.3506, 76.2560, 60.2575

# Sweetspot

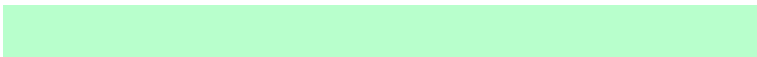
The Sweet Spot groups the original color and five complimentary colors.



67.2421, 76.2590, 105.7832



86.0446, 92.5452, 107.9357



66.4413, 86.0761, 70.3142



18.0746, 19.5209, 23.0652



0.0000, 0.0000, 0.0000

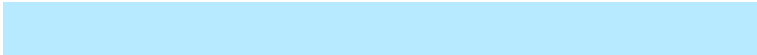


20.3446, 21.4041, 23.3091

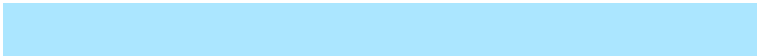


# Same Dimension

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



67.2421, 76.2590, 105.7832



63.1407, 72.5186, 105.2774



58.3303, 58.4355, 102.8126



18.0746, 19.5209, 23.0652



18.0526, 21.0149, 52.5394



1.8528, 2.2363, 5.1473



# Inverse Universe

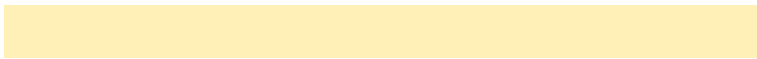
The Inverse Universe completely reimagines the original color for something new.



73.2331, 61.4831, 85.8529



70.0736, 56.0488, 82.0726



80.9396, 86.8160, 57.8404



18.5503, 18.2034, 21.5151



25.9003, 12.8494, 23.9234

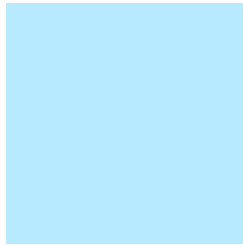


2.5698, 1.2703, 2.5820



# Previews

## White Background



This preview shows how the XYZ color 67.2400, 76.2560, 105.7827 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

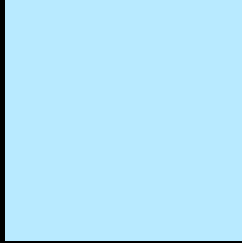
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.2400, 76.2560, 105.7827 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

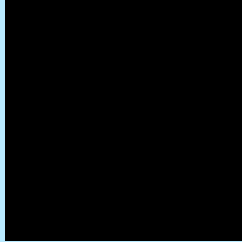
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 67.2400, 76.2560, 105.7827

## Background



This preview shows how black text looks on a background with the XYZ color 67.2400, 76.2560, 105.7827.



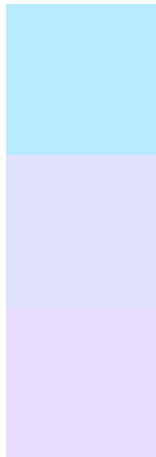
This preview shows how white text looks on a background with the XYZ color 67.2400, 76.2560,



# 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

67.2400, 76.2560, 105.7827

### Protanopia

74.1860, 75.8388, 100.3509

### Deuteranopia

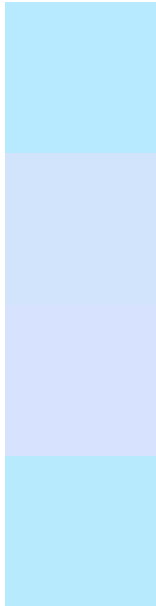
77.1852, 76.0887, 105.2262



## Tritanopia

66.9196, 76.1278, 104.0956

# Trichromacy



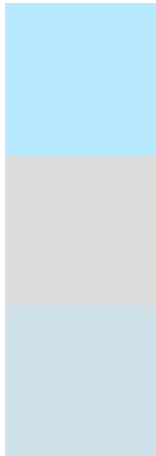
**Original Color**  
67.2400, 76.2560, 105.7827

**Protanomaly**  
71.4505, 76.0071, 102.1718

**Deuteranomaly**  
73.2707, 76.0598, 105.4270

**Tritanomaly**  
67.0794, 76.1917, 104.9369

# Monochromacy



**Original Color**  
67.2400, 76.2560, 105.7827

**Achromatopsia**  
68.7264, 72.3055, 78.7407

**Achromatomaly**  
67.9168, 73.6858, 87.7340

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.2400, 76.2560, 105.7827 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(184, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 234, 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(184, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 234, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 67.2400, 76.2560, 105.7827 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(184, 234, 255) }
```



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

```
.border{ border-color:rgb(184, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 234,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.2400, 76.2560, 105.7827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 234, 255) }
```

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

```
.background{ background-color: rgb(184,  
234, 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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