

# Converting Colors

XYZ(72.9976, 78.7256,  
136.7508)

Have a look what the booklet for  
XYZ(72.9976, 78.7256, 136.7508)  
contains.

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# **Color**

**XYZ(67.0013, 76.1329,  
105.7715)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7EAFF
RGB	183, 234, 255
RGB Percent	72%, 92%, 100%
CMY	0.2823, 0.0823, 0.0000
CMYK	0.28, 0.08, 0.00, 0.00
HSL	197°, 100%, 86%
HSV	197°, 28%, 100%
XYZ	67.0013, 76.1329, 105.7715
YIQ	221.1450, -37.1370, -4.2810

# Conversions

## Conversions Part 2

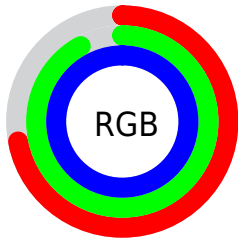
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 213, 255
Decimal	12053247
CIE Lab	89.92, -11.56, -15.45
CIE LCh	90, 19.302, 233.191
Yxy	76.1329, 0.2692, 0.3059
Android (android.graphics.Color)	4290243327 (0xFFB7EAF7)
YUV	221.1450, 16.6905, -33.4532
Hunter-Lab	87.2542, -15.6271, -10.7948

# Details

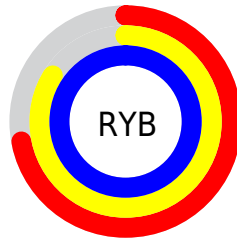
The XYZ color **67.0013, 76.1329, 105.7715** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3803, 67.8644, 54.1387**, and the grayscale version is **68.7360, 72.3156, 78.7517**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **35.0155, 40.5072, 59.3992** is the 20% darker color. If you saturate the color by 10%, you get **59.4042, 69.1410, 104.8224**, and if you desaturate by 10%, it is **75.7902, 83.8748, 106.8026**.

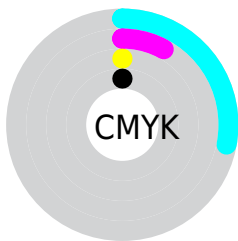
# Distribution



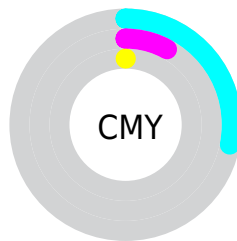
- Red (72%)
- Green (92%)
- Blue (100%)



- 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 67.0013, 76.1329, 105.7715 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 67.0013, 76.1329, 105.7715 by changing the saturation by 10% instead.



67.0013, 76.1329,  
105.7715

67.0013, 76.1329,  
105.7715

439.3818,  
481.8025, 599.9464

49.3564, 56.5415,  
80.4856

113.9721,  
127.9148, 171.1870

35.1180, 40.6372,  
59.5895

144.0286,  
160.8740, 212.1536

23.9207, 28.0357,  
42.6647

178.9531,  
199.0579, 259.1843

15.3992, 18.3526,  
29.2927

219.1109,  
242.8510, 312.6975

9.1882, 11.2034,  
19.0549

264.8673,  
292.6376, 373.1117

4.9222, 6.2038,  
11.5327

316.5876,

2.2360, 2.9694,

348.8022, 440.8456

6.3077

374.6374,  
411.7290, 516.3176

■ 0.7616, 1.1158,  
2.9613

■ 0.0000, 0.0000,  
1.0749

■ 67.0013, 76.1329,  
105.7715

■ 67.0013, 76.1329,  
105.7715

■ 59.4042, 69.1410,  
104.8224

■ 75.7902, 83.8748,  
106.8026

■ 52.9322, 62.8576,  
103.9507

■ 85.8206, 92.3884,  
107.9173

■ 47.5213, 57.2499,  
103.1534

95.0500, 100.0000,  
108.9000

■ 43.0981, 52.2785,  
102.4270

■ 39.5793, 47.8986,  
101.7670

■ 36.8664, 44.0577,  
101.1687

■ 34.8241, 40.6845,  
100.6252

■ 34.5001, 40.1202,  
100.5334

# Harmonies

## Analogous

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



64.2494, 76.1329, 93.6836



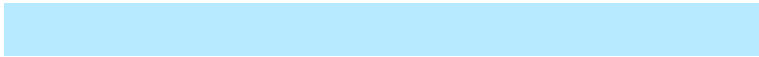
67.0013, 76.1329, 105.7715



71.2794, 76.1329, 111.8300

# Triad

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



67.0013, 76.1329, 105.7715



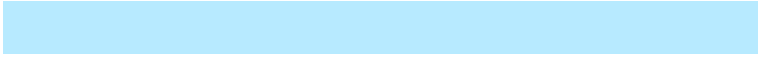
81.8631, 76.1329, 86.0511



68.8076, 76.1329, 61.0063

# Complementary

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



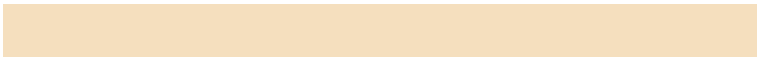
67.0013, 76.1329, 105.7715



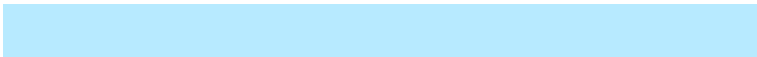
71.3803, 67.8644, 54.1387

# 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.



73.4556, 76.1329, 59.4397



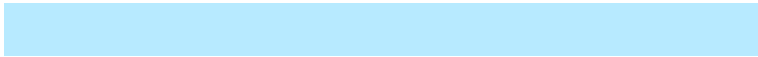
67.0013, 76.1329, 105.7715



81.1304, 76.1329, 72.9696

# Square

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



67.0013, 76.1329, 105.7715



79.9617, 76.1329, 99.6624



78.0013, 76.1329, 63.5818



65.2598, 76.1329, 68.1237



# Rectangle

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



67.0013, 76.1329, 105.7715



74.4767, 76.1329, 111.2107



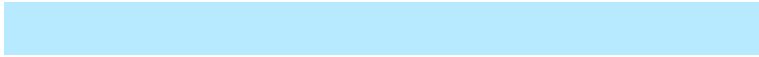
78.0013, 76.1329, 63.5818



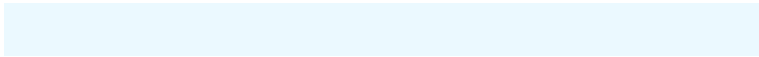
70.2877, 76.1329, 59.8478

# Sweetspot

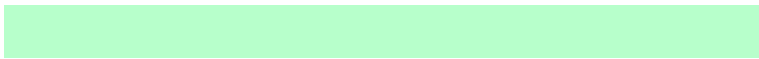
The Sweet Spot groups the original color and five complimentary colors.



67.0034, 76.1358, 105.7720



86.0704, 92.5970, 107.9444



66.1169, 85.9187, 69.8510



18.0812, 19.5340, 23.0674



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

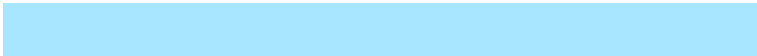


# Same Dimension

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



67.0034, 76.1358, 105.7720



62.4804, 72.0137, 105.2147



57.9115, 57.9520, 102.7413



18.0812, 19.5340, 23.0674



18.1623, 21.2341, 52.5759



1.8628, 2.2563, 5.1506



# Inverse Universe

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



73.0261, 61.0692, 85.7838



69.5412, 55.0734, 81.6193



80.7716, 86.6470, 57.2692



18.5536, 18.2048, 21.5325



25.9557, 12.8716, 24.2148

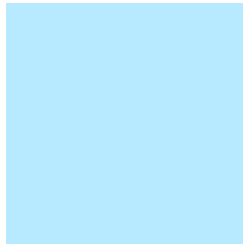


2.5749, 1.2723, 2.6086



# Previews

## White Background



This preview shows how the XYZ color 67.0013, 76.1329, 105.7715 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

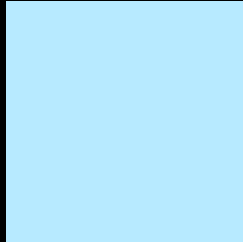
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.0013, 76.1329, 105.7715 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 67.0013, 76.1329, 105.7715

## Background



This preview shows how black text looks on a background with the XYZ color 67.0013, 76.1329, 105.7715.



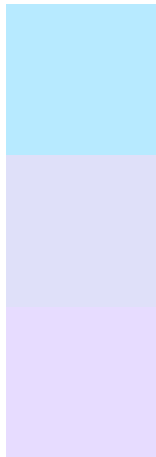
This preview shows how white text looks on a background with the XYZ color 67.0013, 76.1329,



# 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

67.0013, 76.1329, 105.7715

### Protanopia

74.1860, 75.8388, 100.3509

### Deuteranopia

76.5982, 75.3953, 105.1233



## Tritanopia

66.6809, 76.0048, 104.0844

# Trichromacy



## Original Color

67.0013, 76.1329, 105.7715

## Protanomaly

71.1684, 75.8617, 102.1586

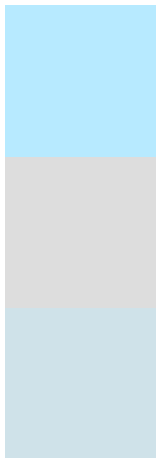
## Deuteranomaly

72.7068, 75.3666, 105.3229

## Tritanomaly

66.8407, 76.0687, 104.9258

# Monochromacy



## Original Color

67.0013, 76.1329, 105.7715

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

67.6365, 73.5413, 87.7209

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.0013, 76.1329, 105.7715 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(183, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 234, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 67.0013, 76.1329, 105.7715 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(183, 234, 255) }
```



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

```
.border{ border-color:rgb(183, 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(183, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 234,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.0013, 76.1329, 105.7715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 234, 255) }
```

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

```
.background{ background-color: rgb(183,  
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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