

# Converting Colors

XYZ(65.8575, 75.4077,  
105.6918)

Have a look what the booklet for  
XYZ(65.8575, 75.4077, 105.6918)  
contains.

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# Color

**XYZ(66.0632, 75.6493,  
105.7276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3EAFF
RGB	179, 234, 255
RGB Percent	70%, 92%, 100%
CMY	0.2980, 0.0823, 0.0000
CMYK	0.30, 0.08, 0.00, 0.00
HSL	197°, 100%, 85%
HSV	197°, 30%, 100%
XYZ	66.0632, 75.6493, 105.7276
YIQ	219.9490, -39.5210, -5.1290

# Conversions

## Conversions Part 2

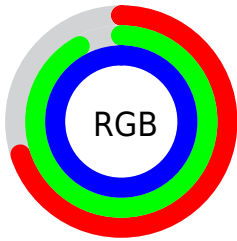
Format	Color
R <sub>Y</sub> B	179, 211, 255
Decimal	11791103
CIE Lab	89.70, -12.68, -15.81
CIE LCh	90, 20.271, 231.271
Yxy	75.6493, 0.2670, 0.3057
Android (android.graphics.Color)	4289981183 (0xFFB3EAFB)
YUV	219.9490, 17.2801, -35.9123
Hunter-Lab	86.9766, -16.6291, -11.1885

# Details

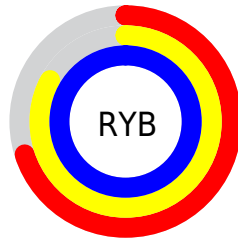
The XYZ color **66.0632, 75.6493, 105.7276** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0311, 65.8230, 51.6637**, and the grayscale version is **67.8967, 71.4326, 77.7901**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **34.4256, 40.2031, 59.3716** is the 20% darker color. If you saturate the color by 10%, you get **58.7401, 68.9574, 104.8219**, and if you desaturate by 10%, it is **74.5599, 83.0684, 106.7118**.

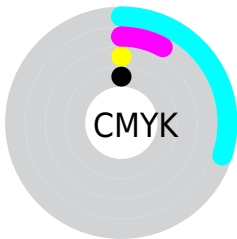
# Distribution



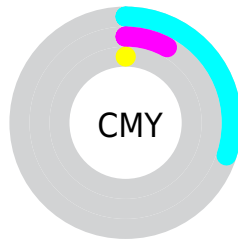
- Red (70%)
- Green (92%)
- Blue (100%)



- Red (70%)
- Yellow (83%)
- Blue (100%)



- Cyan (30%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.0632, 75.6493, 105.7276 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 66.0632, 75.6493, 105.7276 by changing the saturation by 10% instead.



66.0632, 75.6493,  
105.7276

66.0632, 75.6493,  
105.7276

436.0879,  
480.1463, 599.8067

48.5916, 56.1450,  
80.4490

112.6343,  
127.2311, 171.1265

34.5088, 40.3192,  
59.5596

142.4644,  
160.0773, 212.0838

23.4495, 27.7875,  
42.6408

177.1449,  
198.1396, 259.1045

15.0483, 18.1655,  
29.2740

217.0409,  
241.8024, 312.6070

8.9398, 11.0689,  
19.0409

262.5178,  
291.4501, 373.0100

4.7587, 6.1132,  
11.5227

313.9411,

2.1397, 2.9140,

347.4670, 440.7319

6.3010

371.6760,  
410.2376, 516.1913

■ 0.7107, 1.0870,  
2.9572

■ 0.0000, 0.0000,  
1.0728

■ 66.0632, 75.6493,  
105.7276

■ 66.0632, 75.6493,  
105.7276

■ 58.7401, 68.9574,  
104.8219

■ 74.5599, 83.0684,  
106.7118

■ 52.5234, 62.9510,  
103.9902

■ 84.2806, 91.2363,  
107.7760

■ 47.3482, 57.5972,  
103.2296

95.0500, 100.0000,  
108.9000

■ 43.1400, 52.8561,  
102.5363

■ 39.8135, 48.6825,  
101.9060

■ 37.2675, 45.0226,  
101.3338

■ 35.3405, 41.7915,  
100.8117

■ 35.3051, 41.7303,  
100.8017

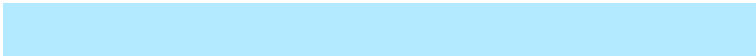
# Harmonies

## Analogous

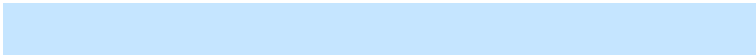
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.3241, 75.6493, 92.7492



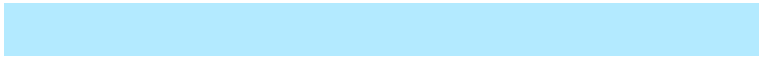
66.0632, 75.6493, 105.7276



70.4557, 75.6493, 112.6354

# Triad

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



66.0632, 75.6493, 105.7276



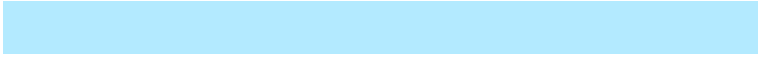
81.8125, 75.6493, 86.6115



68.4763, 75.6493, 59.3176

# Complementary

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



66.0632, 75.6493, 105.7276



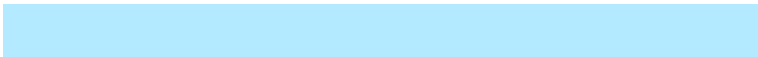
70.0311, 65.8230, 51.6637

# 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.



73.3688, 75.6493, 58.0776



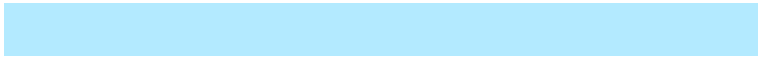
66.0632, 75.6493, 105.7276



81.2224, 75.6493, 72.7941

# Square

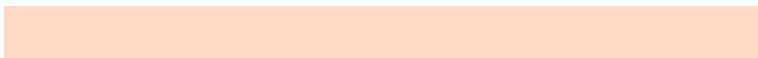
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.0632, 75.6493, 105.7276



79.6528, 75.6493, 100.7911



78.0759, 75.6493, 62.7326

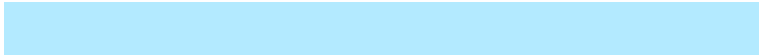


64.6718, 75.6493, 66.3410



# Rectangle

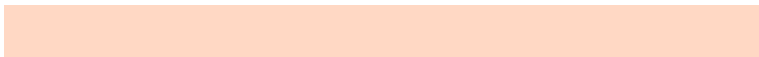
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



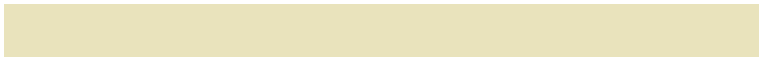
66.0632, 75.6493, 105.7276



73.7947, 75.6493, 112.3747



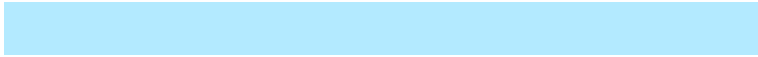
78.0759, 75.6493, 62.7326



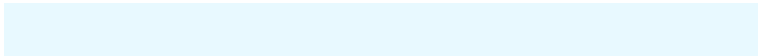
70.0427, 75.6493, 58.2455

# Sweetspot

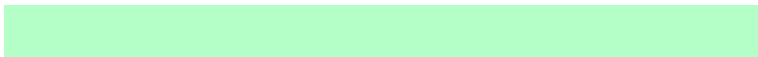
The Sweet Spot groups the original color and five complimentary colors.



66.0653, 75.6522, 105.7281



85.1155, 91.9253, 107.8650



64.6913, 85.2402, 67.2403



17.8956, 19.4092, 23.0531



0.0000, 0.0000, 0.0000

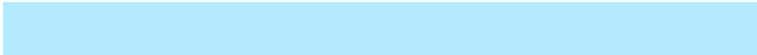


20.3446, 21.4041, 23.3091

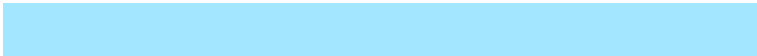


# Same Dimension

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



66.0653, 75.6522, 105.7281



61.3915, 71.4202, 105.1575



56.5476, 56.6168, 102.5555



18.1057, 19.5830, 23.0756



18.5794, 22.0683, 52.7150



1.9007, 2.3321, 5.1632



# Inverse Universe

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



72.2127, 59.4424, 85.5127



68.6049, 53.2183, 81.2531



79.7387, 85.2382, 54.8996



18.5660, 18.2097, 21.5976



26.1662, 12.9558, 25.3235

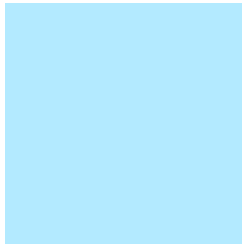


2.5940, 1.2800, 2.7094



# Previews

## White Background



This preview shows how the XYZ color 66.0632, 75.6493, 105.7276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

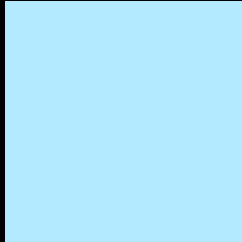
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.0632, 75.6493, 105.7276 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 66.0632, 75.6493, 105.7276**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.0632, 75.6493, 105.7276.



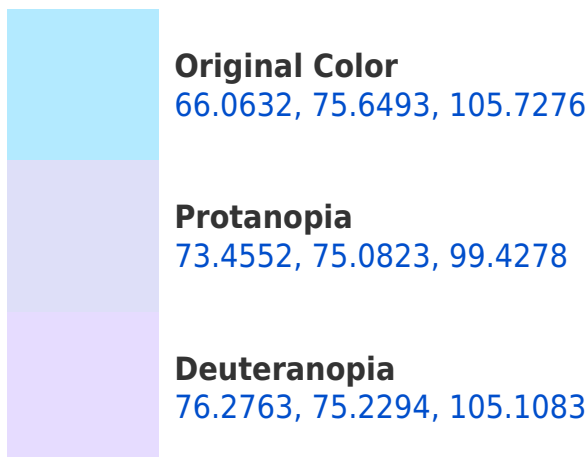
This preview shows how white text looks on a background with the XYZ color 66.0632, 75.6493,



# 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

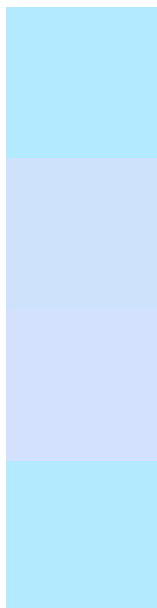




## Tritanopia

65.7428, 75.5212, 104.0405

# Trichromacy



## Original Color

66.0632, 75.6493, 105.7276

## Protanomaly

70.3353, 75.0250, 102.0410

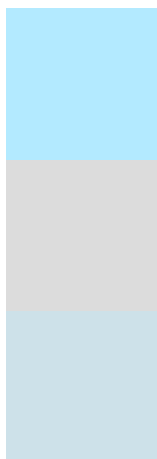
## Deuteranomaly

71.8392, 74.9193, 105.2823

## Tritanomaly

65.9026, 75.5851, 104.8819

# Monochromacy



## Original Color

66.0632, 75.6493, 105.7276

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.8100, 72.7128, 87.6045

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.0632, 75.6493, 105.7276 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(179, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 234, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 66.0632, 75.6493, 105.7276 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(179, 234, 255) }
```



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

```
.border{ border-color:rgb(179, 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(179, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 234,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.0632, 75.6493, 105.7276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 234, 255) }
```

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

```
.background{ background-color: rgb(179,  
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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