

# Converting Colors

XYZ(61.6611, 67.0163,  
104.2933)

Have a look what the booklet for  
XYZ(61.6611, 67.0163, 104.2933)  
contains.

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# **Color**

**XYZ(61.7118, 66.9465,  
104.2772)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3DAFF
RGB	179, 218, 255
RGB Percent	70%, 85%, 100%
CMY	0.2980, 0.1451, 0.0000
CMYK	0.30, 0.15, 0.00, 0.00
HSL	209°, 100%, 85%
HSV	209°, 30%, 100%
XYZ	61.7118, 66.9465, 104.2772
YIQ	210.5570, -35.1210, 3.2390

# Conversions

## Conversions Part 2

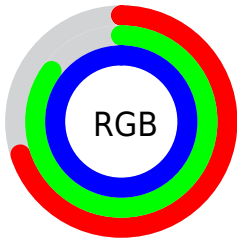
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 205, 255
Decimal	11787007
CIE <sub>Lab</sub>	85.48, -4.44, -22.18
CIE <sub>LCh</sub>	85, 22.619, 258.675
Yxy	66.9465, 0.2649, 0.2874
Android (android.graphics.Color)	4289977087 (0xFFB3DAFF)
YUV	210.5570, 21.9104, -27.6755
Hunter-Lab	81.8208, -8.5563, -18.2880

# Details

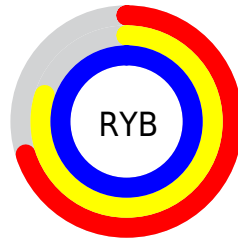
The XYZ color **61.7118, 66.9465, 104.2772** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.9327, 73.6262, 52.9642**, and the grayscale version is **61.5032, 64.7061, 70.4650**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **31.6024, 34.5567, 58.4306** is the 20% darker color. If you saturate the color by 10%, you get **53.2549, 57.9871, 102.9935**, and if you desaturate by 10%, it is **71.5033, 76.9551, 105.6929**.

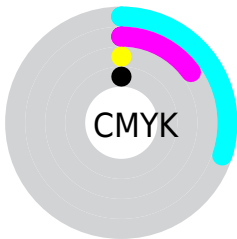
# Distribution



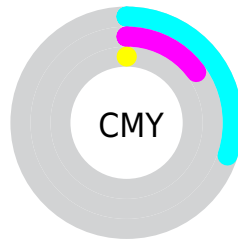
- Red (70%)
- Green (85%)
- Blue (100%)



- Red (70%)
- Yellow (80%)
- Blue (100%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7118, 66.9465, 104.2772 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 61.7118, 66.9465, 104.2772 by changing the saturation by 10% instead.



■ 61.7118, 66.9465,  
104.2772

■ 61.7118, 66.9465,  
104.2772

420.6134,  
449.7543, 595.1839

■ 45.0546, 49.0412,  
79.2407

■ 106.4012,  
114.8437, 169.1257

■ 31.7019, 34.6521,  
58.5712

135.1641,  
145.6044, 209.7747

■ 21.2883, 23.3950,  
41.8503

168.6929,  
181.4190, 256.4650

■ 13.4486, 14.8855,  
28.6594

207.3530,  
222.6719, 309.6150

■ 7.8173, 8.7390,  
18.5800

251.5097,  
269.7475, 369.6434

■ 4.0291, 4.5714,  
11.1934

301.5285,

■ 1.7186, 1.9980,

323.0302, 436.9686

6.0813

357.7746,  
382.9043, 512.0093

■ 0.4679, 0.6063,  
2.8250

■ 0.0000, 0.0000,  
1.0060

■ 61.7118, 66.9465,  
104.2772

■ 61.7118, 66.9465,  
104.2772

■ 53.2549, 57.9871,  
102.9935

■ 71.5033, 76.9551,  
105.6929

■ 46.0617, 50.0276,  
101.8363

■ 82.6844, 88.0439,  
107.2440

■ 40.0625, 43.0258,  
100.8010

95.0500, 100.0000,  
108.9000

■ 35.1781, 36.9324,  
99.8823

■ 31.3185, 31.6924,  
99.0743

■ 28.3771, 27.2418,  
98.3703

■ 26.1872, 23.4850,  
97.7606

■ 26.1480, 23.4160,  
97.7493

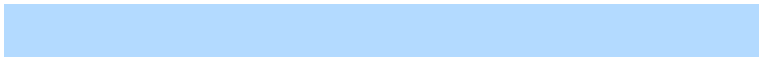
# Harmonies

## Analogous

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



57.3322, 66.9465, 96.2529



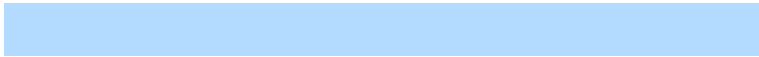
61.7118, 66.9465, 104.2772



66.8442, 66.9465, 103.0907

# Triad

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



61.7118, 66.9465, 104.2772



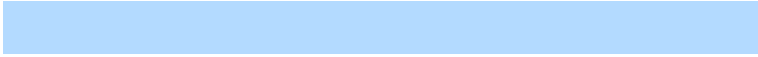
73.4482, 66.9465, 64.2102



56.5014, 66.9465, 55.7733

# Complementary

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



61.7118, 66.9465, 104.2772



73.9327, 73.6262, 52.9642

# 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.



60.5217, 66.9465, 49.2566



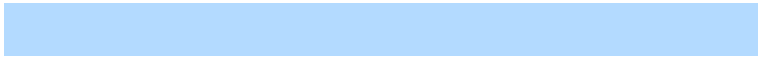
61.7118, 66.9465, 104.2772



70.3742, 66.9465, 53.6565

# Square

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



61.7118, 66.9465, 104.2772



73.8092, 66.9465, 78.5871



65.5888, 66.9465, 48.5377

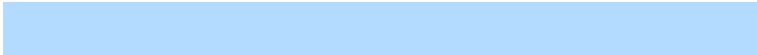


54.4337, 66.9465, 67.4815



# Rectangle

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



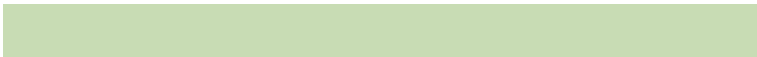
61.7118, 66.9465, 104.2772



70.0010, 66.9465, 97.2677



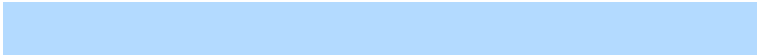
65.5888, 66.9465, 48.5377



57.6590, 66.9465, 52.9745

# Sweetspot

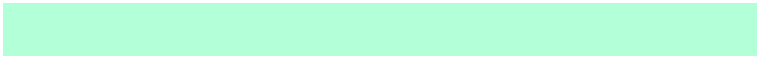
The Sweet Spot groups the original color and five complimentary colors.



61.7137, 66.9491, 104.2775



83.6438, 88.9819, 107.3745



66.7116, 86.0483, 77.8792



17.5324, 18.6830, 22.9321



0.0000, 0.0000, 0.0000

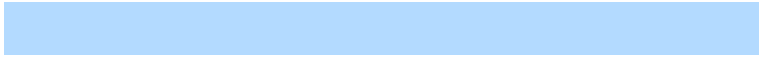


20.3446, 21.4041, 23.3091

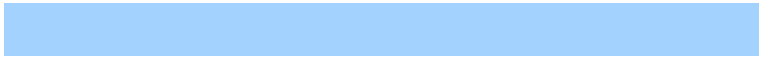


# Same Dimension

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



61.7137, 66.9491, 104.2775



56.3187, 61.2745, 103.4666



53.0170, 49.5558, 101.3787



17.7739, 18.9194, 22.9650



13.8130, 12.5356, 51.1262



1.4543, 1.4393, 5.0144



# Inverse Universe

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



70.0162, 58.5637, 73.9462



66.0444, 52.1941, 67.7696



84.7343, 95.2293, 56.5648



18.3985, 18.1427, 20.7158



23.7604, 11.9934, 12.6545

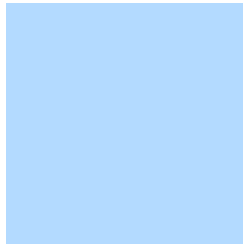


2.3687, 1.1898, 1.5229



# Previews

## White Background



This preview shows how the XYZ color 61.7118, 66.9465, 104.2772 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

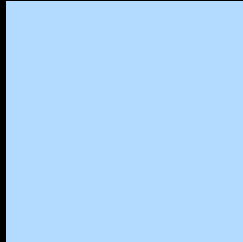
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.7118, 66.9465, 104.2772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

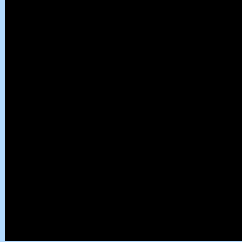
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

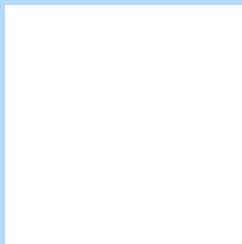
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.7118, 66.9465, 104.2772

## Background



This preview shows how black text looks on a background with the XYZ color 61.7118, 66.9465, 104.2772.



This preview shows how white text looks on a background with the XYZ color 61.7118, 66.9465,



# 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

61.7118, 66.9465, 104.2772

### Protanopia

65.7264, 66.4698, 99.8083

### Deuteranopia

68.0018, 66.8180, 103.9208



## **Tritanopia**

58.9683, 66.9999, 90.7132

# Trichromacy



## Original Color

61.7118, 66.9465, 104.2772

## Protanomaly

64.3822, 66.8572, 101.6069

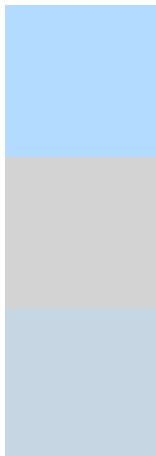
## Deuteranomaly

65.4129, 66.5863, 104.0126

## Tritanomaly

59.8268, 66.9482, 95.3570

# Monochromacy



## Original Color

61.7118, 66.9465, 104.2772

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

61.4649, 65.7813, 82.1306

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.7118, 66.9465, 104.2772 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, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 218, 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, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 218, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 61.7118, 66.9465, 104.2772 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, 218, 255) }
```



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

```
.border{ border-color:rgb(179, 218, 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, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 218,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.7118, 66.9465, 104.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 218, 255) }
```

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

```
.background{ background-color: rgb(179,  
218, 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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