

# Converting Colors

XYZ(62.0396, 66.3815, 96.4684)

Have a look what the booklet for  
XYZ(62.0396, 66.3815, 96.4684)  
contains.

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# **Color**

**XYZ(62.1767, 66.5844,  
96.7638)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BDD8F6
RGB	189, 216, 246
RGB Percent	74%, 85%, 96%
CMY	0.2588, 0.1529, 0.0353
CMYK	0.23, 0.12, 0.00, 0.04
HSL	212°, 76%, 85%
HSV	212°, 23%, 96%
XYZ	62.1767, 66.5844, 96.7638
YIQ	211.3470, -25.7220, 3.6060

# Conversions

## Conversions Part 2

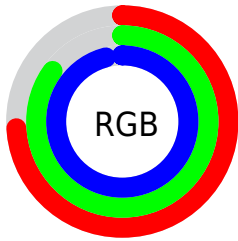
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 207, 246
Decimal	12441846
CIELab	85.29, -2.57, -17.64
CIELCh	85, 17.828, 261.721
Yxy	66.5844, 0.2757, 0.2952
Android (android.graphics.Color)	4290631926 (0xFFBDD8F6)
YUV	211.3470, 17.0839, -19.5983
Hunter-Lab	81.5993, -6.7860, -13.1891

# Details

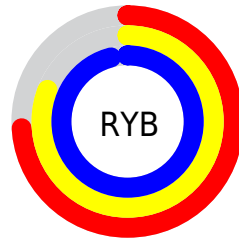
The XYZ color **62.1767, 66.5844, 96.7638** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.5236, 73.9303, 58.5933**, and the grayscale version is **62.0507, 65.2821, 71.0922**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **32.0308, 34.3583, 53.6588** is the 20% darker color. If you saturate the color by 10%, you get **53.3975, 57.3286, 95.4411**, and if you desaturate by 10%, it is **72.2563, 76.9018, 98.2251**.

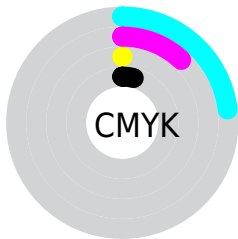
# Distribution



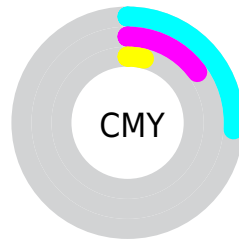
- Red (74%)
- Green (85%)
- Blue (96%)



- Red (74%)
- Yellow (81%)
- Blue (96%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)



- Cyan (26%)
- Magenta (15%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.1767, 66.5844, 96.7638 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 62.1767, 66.5844, 96.7638 by changing the saturation by 10% instead.



■ 62.1767, 66.5844,  
96.7638

■ 62.1767, 66.5844,  
96.7638

422.2826,  
448.4640, 570.9243

■ 45.4316, 48.7470,  
72.9989

■ 107.0694,  
114.3247, 158.7156

■ 32.0003, 34.4188,  
53.4832

135.9477,  
144.9963, 197.7396

■ 21.5173, 23.2155,  
37.7983

169.6011,  
180.7148, 242.6870

■ 13.6172, 14.7527,  
25.5256

208.3950,  
221.8646, 293.9763

■ 7.9348, 8.6460,  
16.2465

252.6948,  
268.8300, 352.0262

■ 4.1047, 4.5110,  
9.5425

302.8657,

■ 1.7616, 1.9633,

321.9954, 417.2551

4.9951

359.2732,  
381.7453, 490.0816

■ 0.4943, 0.5860,  
2.1857

■ 0.0000, 0.0000,  
0.6661

■ 62.1767, 66.5844,  
96.7638

■ 62.1767, 66.5844,  
96.7638

■ 53.3975, 57.3286,  
95.4411

■ 72.2563, 76.9018,  
98.2251

■ 45.8544, 49.0875,  
94.2479

■ 83.6845, 88.3094,  
99.8247

■ 39.4864, 41.8220,  
93.1812

■ 93.5850, 99.3343,  
101.4309

■ 34.2247, 35.4871,  
92.2358

■ 93.6348, 99.4339,  
101.4475

■ 29.9921, 30.0332,  
91.4061

■ 26.7006, 25.4042,  
90.6861

■ 24.2441, 21.5347,  
90.0687

■ 22.9422, 19.2688,  
89.7000

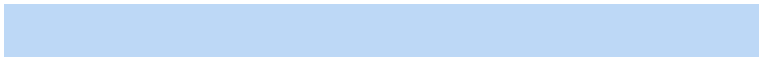
# Harmonies

## Analogous

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



58.6044, 66.5844, 91.3616



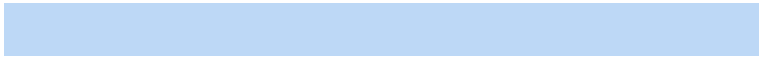
62.1767, 66.5844, 96.7638



66.1990, 66.5844, 95.1425

# Triad

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



62.1767, 66.5844, 96.7638



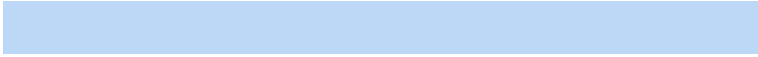
70.7650, 66.5844, 64.5890



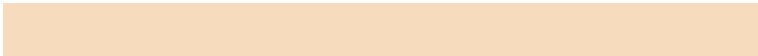
57.3939, 66.5844, 59.5965

# Complementary

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



62.1767, 66.5844, 96.7638



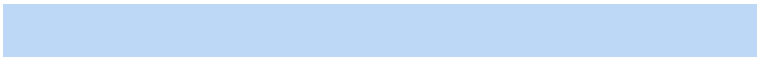
72.5236, 73.9303, 58.5933

# 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.



60.4606, 66.5844, 53.7676



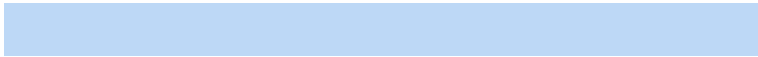
62.1767, 66.5844, 96.7638



68.2115, 66.5844, 56.4298

# Square

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



62.1767, 66.5844, 96.7638



71.2721, 66.5844, 75.7434



64.4094, 66.5844, 52.6731



55.9208, 66.5844, 69.3488



# Rectangle

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



62.1767, 66.5844, 96.7638



68.5871, 66.5844, 90.3653



64.4094, 66.5844, 52.6731



58.2662, 66.5844, 57.1581

# Sweetspot

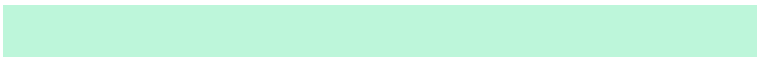
The Sweet Spot groups the original color and five complimentary colors.



62.1787, 66.5871, 96.7653



85.8612, 90.9224, 107.6322



66.6573, 81.8172, 78.9194



18.2157, 19.2996, 23.0151



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

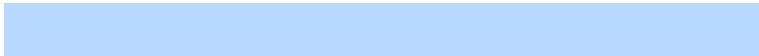


# Same Dimension

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



62.1787, 66.5871, 96.7653



62.6437, 67.2055, 104.2780



56.0564, 53.9914, 94.6568



16.2286, 17.2215, 21.0113



12.3837, 10.5612, 47.9239



1.1905, 1.1324, 4.2461



# Inverse Universe

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



68.6000, 60.9476, 73.1172



70.8771, 60.4069, 73.8592



79.8159, 89.0083, 61.1193



16.8260, 16.6132, 18.8302



22.0552, 11.1655, 10.2652

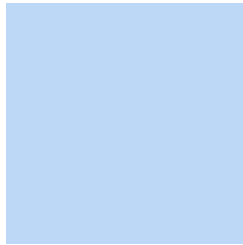


1.9900, 1.0020, 1.1736



# Previews

## White Background



This preview shows how the XYZ color 62.1767, 66.5844, 96.7638 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

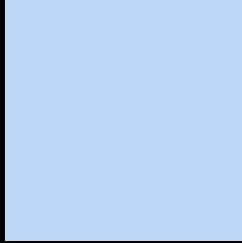
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.1767, 66.5844, 96.7638 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

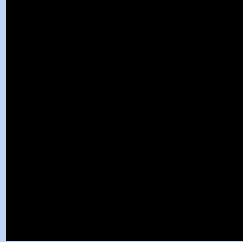
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

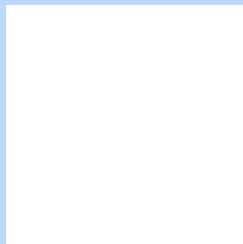
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 62.1767, 66.5844, 96.7638

## Background



This preview shows how black text looks on a background with the XYZ color 62.1767, 66.5844, 96.7638.



This preview shows how white text looks on a background with the XYZ color 62.1767, 66.5844,



# 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

62.1767, 66.5844, 96.7638

### Protanopia

65.2041, 66.3250, 94.1594

### Deuteranopia

68.1144, 66.6408, 98.0799



## Tritanopia

60.5603, 66.7058, 88.2809

# Trichromacy



## Original Color

62.1767, 66.5844, 96.7638

## Protanomaly

63.9428, 66.3995, 95.0342

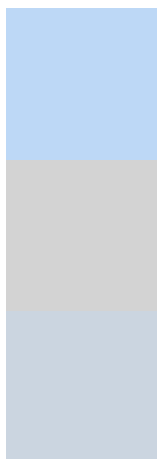
## Deuteranomaly

65.8149, 66.5693, 97.3760

## Tritanomaly

61.1319, 66.5491, 91.2846

# Monochromacy



## Original Color

62.1767, 66.5844, 96.7638

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

61.8774, 65.6668, 79.9347

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.1767, 66.5844, 96.7638 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(189, 216, 246)` looks like.

```
.text, #text, p{  
    color:rgb(189, 216, 246)  
}
```

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(189, 216, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 216, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 62.1767, 66.5844, 96.7638 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(189, 216, 246) }
```



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

```
.border{ border-color:rgb(189, 216, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 216, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 216, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 216, 246);  
box-shadow:4px 4px 4px 4px rgb(189, 216,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.1767, 66.5844, 96.7638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 216, 246) }
```

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

```
.background{ background-color: rgb(189,  
216, 246) }
```

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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