

# Converting Colors

XYZ(66.3696, 86.2010, 62.9958)

Have a look what the booklet for  
XYZ(66.3696, 86.2010, 62.9958)  
contains.

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# Color

**XYZ(66.2607, 86.1446,  
63.0044)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BDFFC0</code>
RGB	189, 255, 192
RGB Percent	74%, 100%, 75%
CMY	0.2588, 0.0000, 0.2471
CMYK	0.26, 0.00, 0.25, 0.00
HSL	123°, 100%, 87%
HSV	123°, 26%, 100%
XYZ	66.2607, 86.1446, 63.0044
YIQ	228.0840, -19.1130, -33.5850

# Conversions

## Conversions Part 2

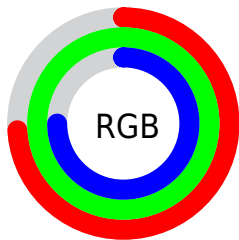
Format	Color
R <sub>YB</sub>	189, 252, 255
Decimal	12451776
CIE <sub>Lab</sub>	94.37, -32.40, 23.64
CIE <sub>LCh</sub>	94, 40.111, 143.889
Yxy	86.1446, 0.3076, 0.3999
Android (android.graphics.Color)	4290641856 (0xFFBDFFC0)
YUV	228.0840, -17.7894, -34.2767
Hunter-Lab	92.8141, -34.9922, 24.7224

# Details

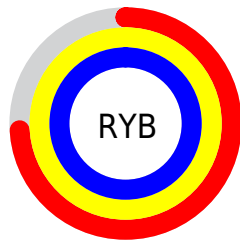
The XYZ color **66.2607, 86.1446, 63.0044** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.0084, 64.6840, 100.5212**, and the grayscale version is **73.9400, 77.7906, 84.7140**.

A 20% lighter version of the original color is **90.8649, 97.9524, 103.7401**, and **34.6130, 47.2915, 31.3486** is the 20% darker color. If you saturate the color by 10%, you get **58.0035, 82.1741, 49.6848**, and if you desaturate by 10%, it is **76.0772, 90.8673, 78.7278**.

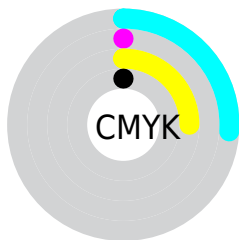
# Distribution



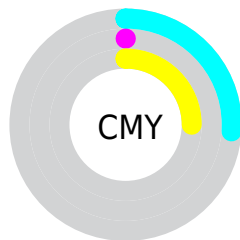
- Red (74%)
- Green (100%)
- Blue (75%)



- Red (74%)
- Yellow (99%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2607, 86.1446, 63.0044 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 66.2607, 86.1446, 63.0044 by changing the saturation by 10% instead.





 66.2607, 86.1446,  
63.0044

 66.2607, 86.1446,  
63.0044


436.7826,  
515.4079, 453.6938

 48.7525, 64.7876,  
45.4037


 112.9161,  
141.9713, 110.7615

 34.6370, 47.2888,  
31.4303


142.7940,  
177.2097, 141.7550

 23.5486, 33.2640,  
20.6655


177.5259,  
217.8440, 178.0499

 15.1220, 22.3288,  
12.6909

217.4772,  
264.2586, 220.0647

 8.9919, 14.0987,  
7.0878

263.0131,  
316.8379, 268.2180

 4.7930, 8.1893,  
3.4378

314.4991,

 2.1598, 4.2163,

375.9663, 322.9282

1.3223

372.3005,  
442.0281, 384.6140

■ 0.7214, 1.7953,  
0.0800

■ 0.0000, 0.4842,  
0.0000

■ 66.2607, 86.1446,  
63.0044

■ 66.2607, 86.1446,  
63.0044

■ 58.0035, 82.1741,  
49.6848

■ 76.0772, 90.8673,  
78.7278

■ 51.2238, 78.9163,  
38.6469

■ 87.5256, 96.3775,  
96.9609

■ 45.8347, 76.3292,  
29.7639

95.0500, 100.0000,  
108.9000

■ 41.7398, 74.3660,  
22.8950

■ 38.8304, 72.9741,  
17.8829

■ 36.9799, 72.0920,  
14.5466

■ 36.0327, 71.6443,  
12.6695

■ 35.8239, 71.5456,  
12.2565

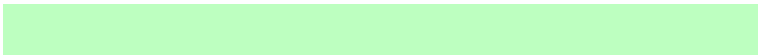
# Harmonies

## Analogous

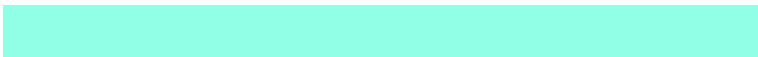
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7742, 86.1446, 49.3469



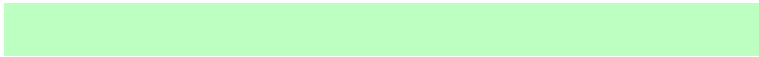
66.2607, 86.1446, 63.0044



62.9639, 86.1446, 87.6237

# Triad

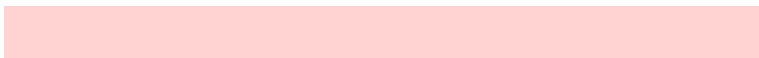
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.2607, 86.1446, 63.0044



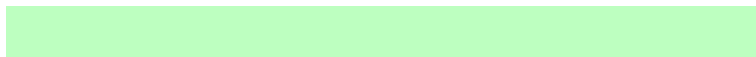
79.6930, 86.1446, 165.9939



102.3105, 86.1446, 71.7696

# Complementary

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



66.2607, 86.1446, 63.0044



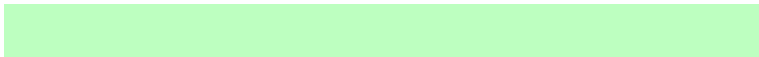
77.0084, 64.6840, 100.5212

# 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.



104.2443, 86.1446, 100.2533



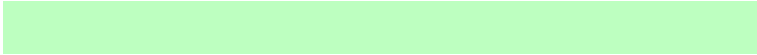
66.2607, 86.1446, 63.0044



90.5542, 86.1446, 159.1491

# Square

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



66.2607, 86.1446, 63.0044



70.2691, 86.1446, 150.3352



99.7742, 86.1446, 133.2735

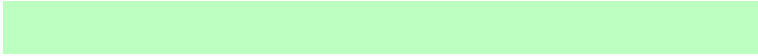


94.6996, 86.1446, 53.5770



# Rectangle

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



66.2607, 86.1446, 63.0044



63.3743, 86.1446, 108.7666



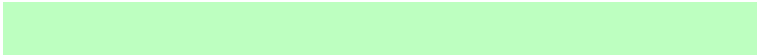
99.7742, 86.1446, 133.2735



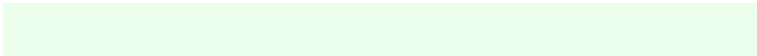
103.6723, 86.1446, 80.2677

# Sweetspot

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



66.2613, 86.1449, 63.0057



84.9608, 95.1429, 92.8840



85.3807, 96.0393, 62.1823



17.8050, 20.1815, 19.2763



0.0000, 0.0000, 0.0000

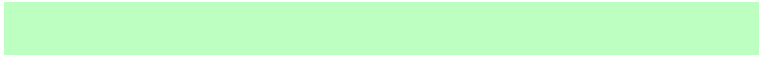


20.3446, 21.4041, 23.3091

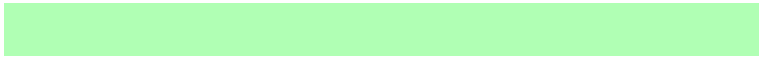


# Same Dimension

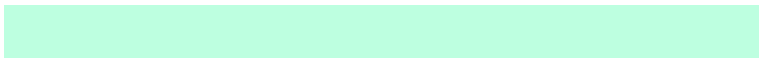
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.2613, 86.1449, 63.0057



61.8450, 84.0210, 55.8951



70.2284, 87.7317, 83.8962



17.8050, 20.1815, 19.2763



18.7330, 37.3898, 6.4793



1.8352, 3.6450, 0.6901



# Inverse Universe

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



77.0084, 64.6840, 100.5212



74.2322, 59.2817, 99.1325



72.3298, 62.8125, 75.8837



18.7549, 18.2853, 22.5924



30.0497, 14.5092, 45.7736

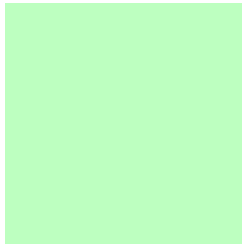


2.9364, 1.4169, 4.5127



# Previews

## White Background



This preview shows how the XYZ color 66.2607, 86.1446, 63.0044 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

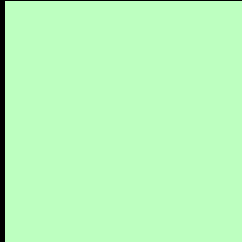
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.2607, 86.1446, 63.0044 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

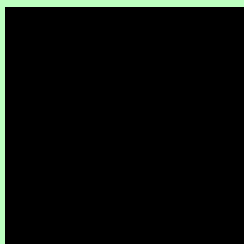
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

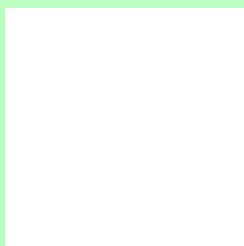
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.2607, 86.1446, 63.0044**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.2607, 86.1446, 63.0044.



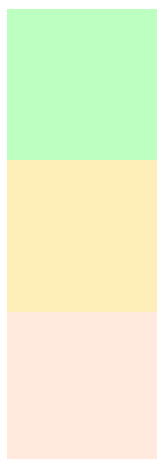
This preview shows how white text looks on a background with the XYZ color 66.2607, 86.1446,

63.0044.

# 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

66.2607, 86.1446, 63.0044

### Protanopia

80.0993, 85.6806, 57.6637

### Deuteranopia

83.7140, 85.3261, 80.4640



## **Tritanopia**

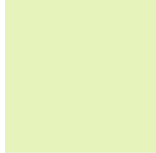
78.7159, 86.0729, 107.0727

# Trichromacy



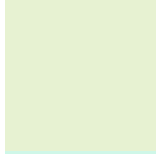
## Original Color

66.2607, 86.1446, 63.0044



## Protanomaly

73.9535, 85.1122, 59.5442



## Deuteranomaly

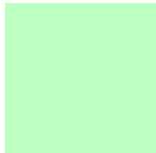
76.3400, 85.1463, 73.3841



## Tritanomaly

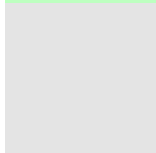
73.5584, 85.6131, 88.9920

# Monochromacy



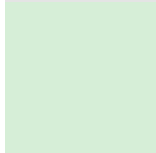
## Original Color

66.2607, 86.1446, 63.0044



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

70.5718, 80.3515, 76.0798

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.2607, 86.1446, 63.0044 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, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 192)  
}
```

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, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 66.2607, 86.1446, 63.0044 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, 255, 192) }
```



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

```
.border{ border-color:rgb(189, 255, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.2607, 86.1446, 63.0044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 192) }
```

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

```
.background{ background-color: rgb(189,  
255, 192) }
```

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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