

# Converting Colors

XYZ(65.9341, 86.0142, 61.2722)

Have a look what the booklet for  
XYZ(65.9341, 86.0142, 61.2722)  
contains.

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# Color

**XYZ(65.9316, 86.0129,  
61.2713)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDFFB8
RGB	189, 255, 189
RGB Percent	74%, 100%, 74%
CMY	0.2588, 0.0000, 0.2588
CMYK	0.26, 0.00, 0.26, 0.00
HSL	120°, 100%, 87%
HSV	120°, 26%, 100%
XYZ	65.9316, 86.0129, 61.2713
YIQ	227.7420, -18.1500, -34.5180

# Conversions

## Conversions Part 2

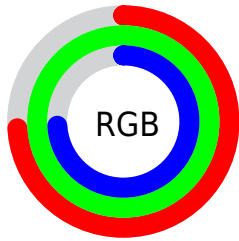
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">189, 255, 255</a>
Decimal	<a href="#">12451773</a>
CIELab	<a href="#">94.32, -32.90, 25.08</a>
CIELCh	<a href="#">94, 41.370, 142.674</a>
Yxy	<a href="#">86.0129, 0.3092, 0.4034</a>
Android (android.graphics.Color)	<a href="#">4290641853 (0xFFBDFFBFD)</a>
YUV	<a href="#">227.7420, -19.0998, -33.9767</a>
Hunter-Lab	<a href="#">92.7431, -35.4039, 25.7499</a>

# Details

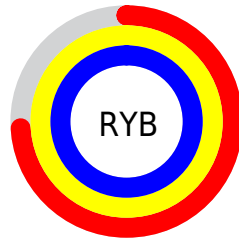
The XYZ color **65.9316, 86.0129, 61.2713** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.4878, 64.8758, 103.0453**, and the grayscale version is **73.6986, 77.5366, 84.4374**.

A 20% lighter version of the original color is **90.4006, 97.7667, 101.2950**, and **34.3988, 47.2058, 30.2203** is the 20% darker color. If you saturate the color by 10%, you get **57.6232, 82.0220, 47.6817**, and if you desaturate by 10%, it is **75.8400, 90.7725, 77.4786**.

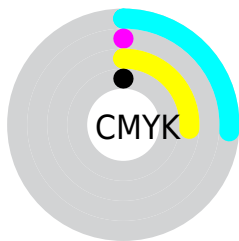
# Distribution



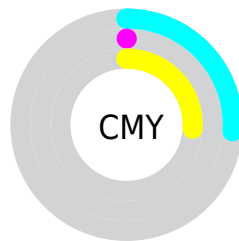
- Red (74%)
- Green (100%)
- Blue (74%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9316, 86.0129, 61.2713 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 65.9316, 86.0129, 61.2713 by changing the saturation by 10% instead.



65.9316, 86.0129,  
61.2713

65.9316, 86.0129,  
61.2713

435.6247,  
514.9737, 447.2021

48.4844, 64.6786,  
44.0122

112.4464,  
141.7875, 108.2330

34.4235, 47.2005,  
30.3428

142.2447,  
176.9966, 138.7727

23.3835, 33.1942,  
19.8447

176.8908,  
217.5995, 174.5763

14.9992, 22.2753,  
12.0992

216.7500,  
263.9805, 216.0623

8.9052, 14.0593,  
6.6879

262.1876,  
316.5240, 263.6494

4.7360, 8.1619,  
3.1922

313.5690,

2.1264, 4.1987,

375.6145, 317.7560

1.1936

371.2596,  
441.6362, 378.8008

■ 0.7035, 1.7853,  
0.0000

■ 0.0000, 0.4780,  
0.0000

■ 65.9316, 86.0129,  
61.2713

■ 65.9316, 86.0129,  
61.2713

■ 57.6232, 82.0220,  
47.6817

■ 75.8400, 90.7725,  
77.4786

■ 50.8291, 78.7585,  
36.5688

■ 87.4241, 96.3369,  
96.4265

■ 45.4588, 76.1788,  
27.7846

95.0500, 100.0000,  
108.9000

■ 41.4111, 74.2345,  
21.1637

■ 38.5714, 72.8705,  
16.5189

■ 36.8061, 72.0225,  
13.6313

■ 35.9491, 71.6108,  
12.2293

■ 35.7600, 71.5200,  
11.9201

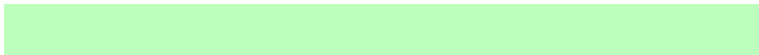
# Harmonies

## Analogous

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



73.7999, 86.0129, 47.8257



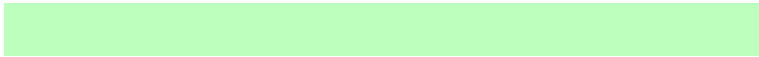
65.9316, 86.0129, 61.2713



62.3626, 86.0129, 86.0751

# Triad

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



65.9316, 86.0129, 61.2713



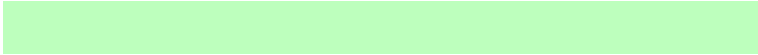
79.0619, 86.0129, 168.2808



103.0644, 86.0129, 72.0161

# Complementary

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



65.9316, 86.0129, 61.2713



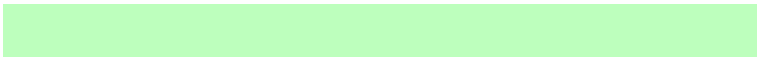
77.4878, 64.8758, 103.0453

# 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.



104.7952, 86.0129, 101.6639



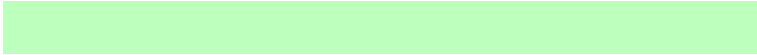
65.9316, 86.0129, 61.2713



90.2572, 86.0129, 162.1144

# Square

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



65.9316, 86.0129, 61.2713



69.4850, 86.0129, 151.1378



99.9216, 86.0129, 135.8092

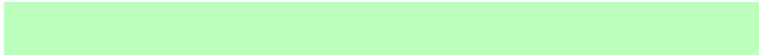


95.3855, 86.0129, 52.9790



# Rectangle

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



65.9316, 86.0129, 61.2713



62.6517, 86.0129, 107.7113



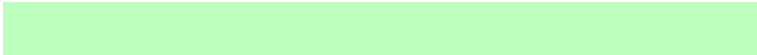
99.9216, 86.0129, 135.8092



104.3878, 86.0129, 80.8752

# Sweetspot

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



65.9322, 86.0132, 61.2726



84.8267, 95.0892, 92.1780



86.1855, 96.4542, 62.2200



17.7717, 20.1682, 19.1006



0.0000, 0.0000, 0.0000

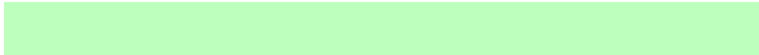


20.3446, 21.4041, 23.3091

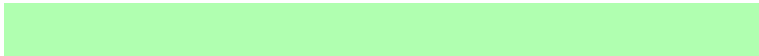


# Same Dimension

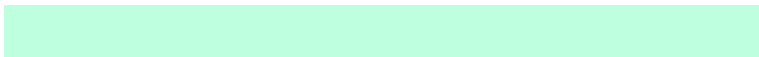
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9322, 86.0132, 61.2726



61.4848, 83.8769, 53.9981



69.9316, 87.6130, 82.3330



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065



# Inverse Universe

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



77.4878, 64.8758, 103.0453



74.8054, 59.5110, 102.1510



72.6228, 62.9298, 77.4268



18.7928, 18.3004, 22.7917



30.9800, 14.8813, 50.6728

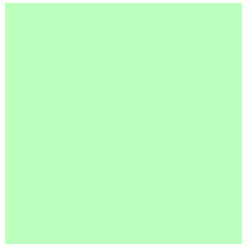


3.0164, 1.4489, 4.9338



# Previews

## White Background



This preview shows how the XYZ color 65.9316, 86.0129, 61.2713 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

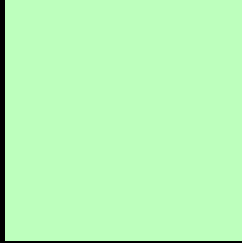
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.9316, 86.0129, 61.2713 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

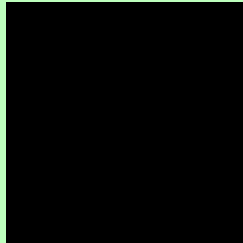
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

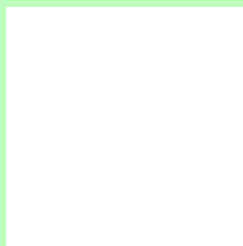
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.9316, 86.0129, 61.2713**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.9316, 86.0129, 61.2713.



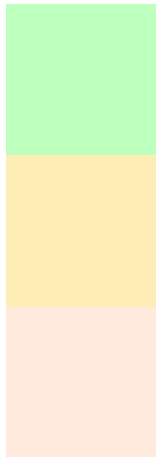
This preview shows how white text looks on a background with the XYZ color 65.9316, 86.0129,



# 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

65.9316, 86.0129, 61.2713

### Protanopia

79.4977, 84.9754, 55.9280

### Deuteranopia

83.7140, 85.3261, 80.4640



## Tritanopia

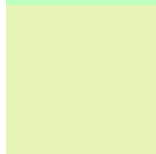
78.4174, 85.4760, 106.9732

# Trichromacy



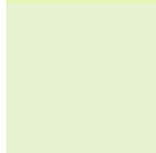
## Original Color

65.9316, 86.0129, 61.2713



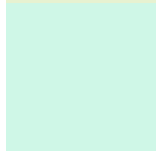
## Protanomaly

73.6355, 84.9851, 57.8701



## Deuteranomaly

76.2158, 85.0966, 72.7299



## Tritanomaly

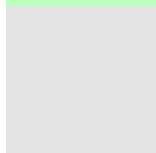
73.4167, 85.5564, 88.2459

# Monochromacy



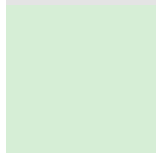
## Original Color

65.9316, 86.0129, 61.2713



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

70.4437, 80.3003, 75.4050

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.9316, 86.0129, 61.2713 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, 189)` looks like.

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

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, 189) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 65.9316, 86.0129, 61.2713 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, 189) }
```



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

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

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, 189)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 65.9316, 86.0129, 61.2713 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, 189) }
```

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

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

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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