

# Converting Colors

XYZ(65.8599, 85.9882, 60.7153)

Have a look what the booklet for  
XYZ(65.8599, 85.9882, 60.7153)  
contains.

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# Color

**XYZ(65.8234, 85.9697,  
60.7015)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDFDBC
RGB	189, 255, 188
RGB Percent	74%, 100%, 74%
CMY	0.2588, 0.0000, 0.2627
CMYK	0.26, 0.00, 0.26, 0.00
HSL	119°, 100%, 87%
HSV	119°, 26%, 100%
XYZ	65.8234, 85.9697, 60.7015
YIQ	227.6280, -17.8290, -34.8290

# Conversions

## Conversions Part 2

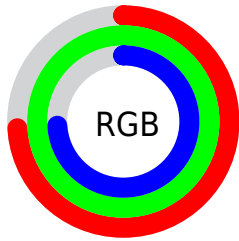
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 255, 254
Decimal	12451772
CIE <sub>Lab</sub>	94.30, -33.06, 25.57
CIE <sub>LCh</sub>	94, 41.792, 142.284
Yxy	85.9697, 0.3098, 0.4046
Android (android.graphics.Color)	4290641852 (0xFFBDF5BC)
YUV	227.6280, -19.5366, -33.8768
Hunter-Lab	92.7198, -35.5395, 26.0881

# Details

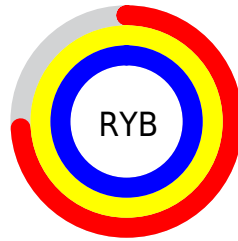
The XYZ color **65.8234, 85.9697, 60.7015** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.9071, 64.2585, 102.9574**, and the grayscale version is **73.6181, 77.4520, 84.3452**.

A 20% lighter version of the original color is **90.0952, 97.6445, 99.6867**, and **34.3287, 47.1777, 29.8512** is the 20% darker color. If you saturate the color by 10%, you get **57.6117, 82.0265, 47.2132**, and if you desaturate by 10%, it is **75.6010, 90.6640, 76.8009**.

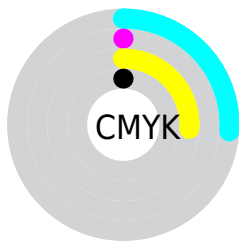
# Distribution



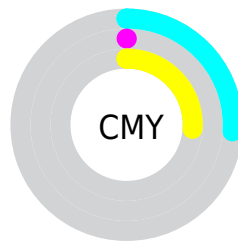
- Red (74%)
- Green (100%)
- Blue (74%)



- 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 65.8234, 85.9697, 60.7015 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 65.8234, 85.9697, 60.7015 by changing the saturation by 10% instead.





 65.8234, 85.9697,  
60.7015

 65.8234, 85.9697,  
60.7015


435.2436,  
514.8313, 445.0549

 48.3962, 64.6429,  
43.5553


 112.2920,  
141.7272, 107.3999

 34.3533, 47.1716,  
29.9864


142.0641,  
176.9267, 137.7893

 23.3293, 33.1713,  
19.5763


176.6819,  
217.5193, 173.4300

 14.9589, 22.2577,  
11.9064

216.5107,  
263.8892, 214.7408

 8.8767, 14.0464,  
6.5582

261.9159,  
316.4210, 262.1402

 4.7173, 8.1529,  
3.1132

313.2629,

 2.1154, 4.1930,

375.4990, 316.0466

1.1527

370.9171,  
441.5077, 376.8787

0.6976, 1.7821,  
0.0000

0.0000, 0.4760,  
0.0000

65.8234, 85.9697,  
60.7015

65.8234, 85.9697,  
60.7015

57.6117, 82.0265,  
47.2132

75.6010, 90.6640,  
76.8009

50.8832, 78.7947,  
36.1949

87.0183, 96.1448,  
95.6346

45.5499, 76.2322,  
27.4979

95.0500, 100.0000,  
108.9000

41.5139, 74.2922,  
20.9564

■ 38.6647, 72.9216,  
16.3824

■ 36.8732, 72.0588,  
13.5556

■ 35.9805, 71.6276,  
12.2020

■ 35.8076, 71.5445,  
11.9222

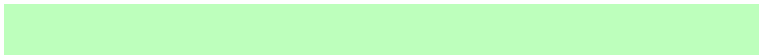
# Harmonies

## Analogous

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



73.8097, 85.9697, 47.3271



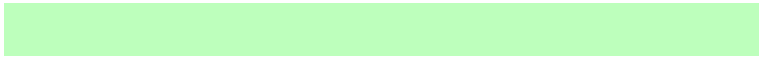
65.8234, 85.9697, 60.7015



62.1642, 85.9697, 85.5629

# Triad

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



65.8234, 85.9697, 60.7015



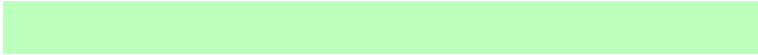
78.8525, 85.9697, 169.0456



103.3166, 85.9697, 72.1006

# Complementary

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



65.8234, 85.9697, 60.7015



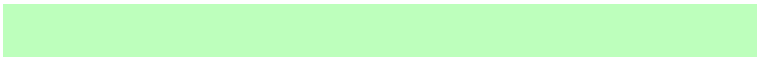
76.9071, 64.2585, 102.9574

# 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.



104.9792, 85.9697, 102.1389



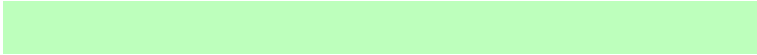
65.8234, 85.9697, 60.7015



90.1583, 85.9697, 163.1099

# Square

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



65.8234, 85.9697, 60.7015



69.2256, 85.9697, 151.4038



99.9705, 85.9697, 136.6622

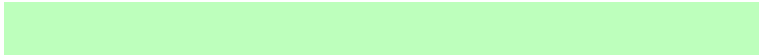


95.6154, 85.9697, 52.7827



# Rectangle

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



65.8234, 85.9697, 60.7015



62.4131, 85.9697, 107.3601



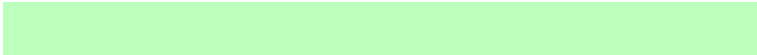
99.9705, 85.9697, 136.6622



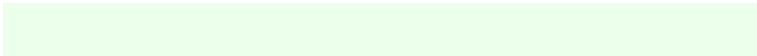
104.6271, 85.9697, 81.0805

# Sweetspot

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



65.8239, 85.9699, 60.7028



84.9270, 95.1409, 92.1825



85.7222, 95.7006, 61.5323



17.7966, 20.1811, 19.1017



0.0000, 0.0000, 0.0000

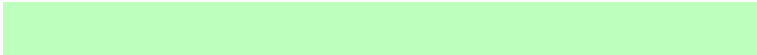


20.3446, 21.4041, 23.3091

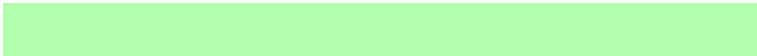


# Same Dimension

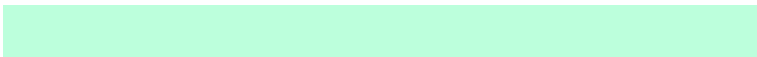
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8239, 85.9699, 60.7028



60.9349, 83.6223, 52.6675



69.4689, 87.3994, 81.1858



17.7966, 20.1811, 19.1017



18.7211, 37.3891, 6.2301



1.8312, 3.6448, 0.6070



# Inverse Universe

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



76.9071, 64.2585, 102.9574



73.8642, 58.2907, 101.9659



72.4915, 62.5345, 77.7918



18.7643, 18.2858, 22.7905



30.2688, 14.5146, 50.6408

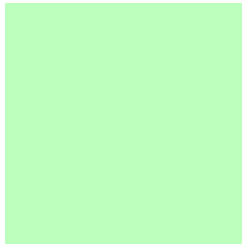


2.9554, 1.4175, 4.9311



# Previews

## White Background



This preview shows how the XYZ color 65.8234, 85.9697, 60.7015 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

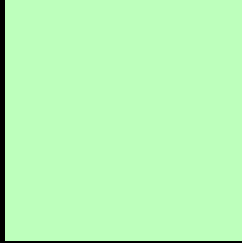
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.8234, 85.9697, 60.7015 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

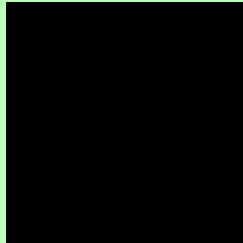
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

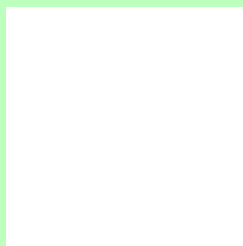
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.8234, 85.9697, 60.7015**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.8234, 85.9697, 60.7015.



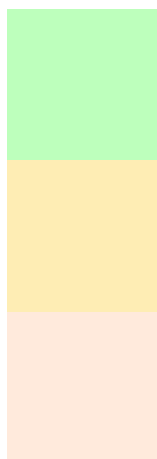
This preview shows how white text looks on a background with the XYZ color 65.8234, 85.9697,



# 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

65.8234, 85.9697, 60.7015

### Protanopia

79.3955, 84.9345, 55.3894

### Deuteranopia

83.5811, 85.2729, 79.7643



## Tritanopia

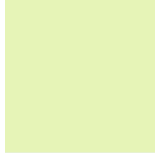
78.1210, 85.3232, 106.9593

# Trichromacy



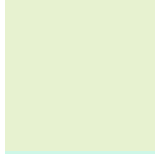
## Original Color

65.8234, 85.9697, 60.7015



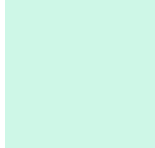
## Protanomaly

73.5311, 84.9433, 57.3199



## Deuteranomaly

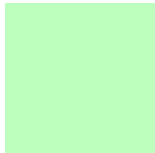
76.0923, 85.0473, 72.0798



## Tritanomaly

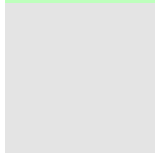
73.1382, 85.4129, 88.2328

# Monochromacy



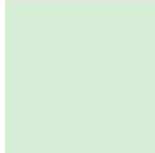
## Original Color

65.8234, 85.9697, 60.7015



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

70.3163, 80.2493, 74.7344

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.8234, 85.9697, 60.7015 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 65.8234, 85.9697, 60.7015 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, 188) }
```



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

```
.border{ border-color:rgb(189, 255, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.8234, 85.9697, 60.7015 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, 188) }
```

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

```
.background{ background-color: rgb(189,  
255, 188) }
```

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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