

# Converting Colors

XYZ(65.1164, 85.6300, 59.5506)

Have a look what the booklet for XYZ(65.1164, 85.6300, 59.5506) contains.

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# Color

**XYZ(65.1164, 85.6300,  
59.5506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFFBA
RGB	187, 255, 186
RGB Percent	73%, 100%, 73%
CMY	0.2667, 0.0000, 0.2706
CMYK	0.27, 0.00, 0.27, 0.00
HSL	119°, 100%, 86%
HSV	119°, 27%, 100%
XYZ	65.1164, 85.6300, 59.5506
YIQ	226.8020, -18.3790, -35.8750

# Conversions

## Conversions Part 2

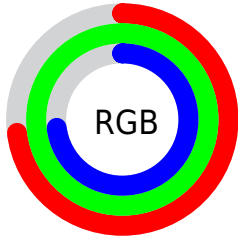
Format	Color
<a href="#">RYB</a>	<a href="#">186, 255, 254</a>
Decimal	<a href="#">12320698</a>
CIELab	<a href="#">94.15, -34.02, 26.36</a>
CIElCh	<a href="#">94, 43.041, 142.230</a>
Yxy	<a href="#">85.6300, 0.3096, 0.4072</a>
Android (android.graphics.Color)	<a href="#">4290510778 (0xFFBBFFBA)</a>
YUV	<a href="#">226.8020, -20.1154, -34.9064</a>
Hunter-Lab	<a href="#">92.5365, -36.3313, 26.6203</a>

# Details

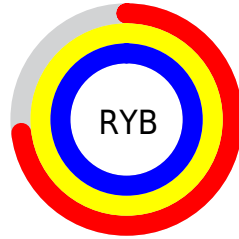
The XYZ color **65.1164, 85.6300, 59.5506** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.4830, 63.4099, 102.8160**, and the grayscale version is **73.0204, 76.8232, 83.6604**.

A 20% lighter version of the original color is **89.0952, 97.1639, 98.0631**, and **33.8747, 46.9596, 29.1085** is the 20% darker color. If you saturate the color by 10%, you get **57.0231, 81.7435, 46.2612**, and if you desaturate by 10%, it is **74.7704, 90.2650, 75.4408**.

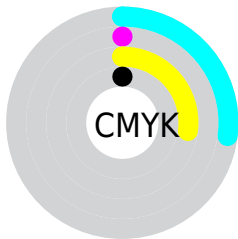
# Distribution



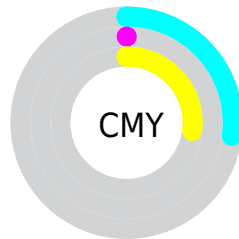
- Red (73%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1164, 85.6300, 59.5506 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 65.1164, 85.6300, 59.5506 by changing the saturation by 10% instead.





 65.1164, 85.6300,  
59.5506

 65.1164, 85.6300,  
59.5506


432.7487,  
513.7104, 440.6979

 47.8205, 64.3621,  
42.6336


 111.2820,  
141.2530, 105.7145

 33.8954, 46.9440,  
29.2685


140.8824,  
176.3769, 135.7984

 22.9758, 32.9914,  
19.0367

175.3150,  
216.8883, 171.1084

 14.6962, 22.1198,  
11.5197

214.9452,  
263.1715, 212.0629

 8.6914, 13.9450,  
6.2990

260.1383,  
315.6109, 259.0806

 4.5959, 8.0824,  
2.9560

311.2597,

 2.0445, 4.1477,

374.5909, 312.5800

1.0722

368.6747,  
440.4959, 372.9796

0.6588, 1.7565,  
0.0000

0.0000, 0.4599,  
0.0000

65.1164, 85.6300,  
59.5506

65.1164, 85.6300,  
59.5506

57.0231, 81.7435,  
46.2612

74.7704, 90.2650,  
75.4408

50.4071, 78.5657,  
35.4305

86.0593, 95.6844,  
94.0557

45.1798, 76.0541,  
26.9089

95.0500, 100.0000,  
108.9000

41.2422, 74.1613,  
20.5289

■ 38.4824, 72.8337,  
16.1004

■ 36.7696, 72.0088,  
13.4001

■ 35.9402, 71.6082,  
12.1430

■ 35.8062, 71.5438,  
11.9222

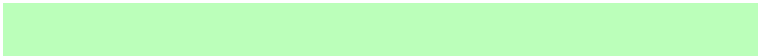
# Harmonies

## Analogous

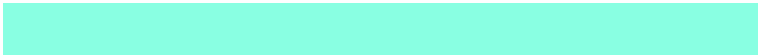
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2990, 85.6300, 46.0073



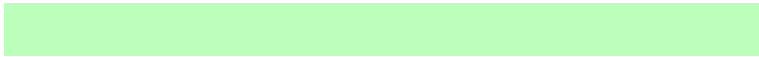
65.1164, 85.6300, 59.5506



61.3690, 85.6300, 84.9260

# Triad

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



65.1164, 85.6300, 59.5506



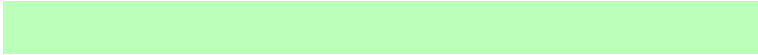
78.4327, 85.6300, 171.2025



103.6448, 85.6300, 71.2524

# Complementary

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



65.1164, 85.6300, 59.5506



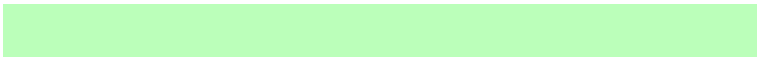
76.4830, 63.4099, 102.8160

# 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.



105.3480, 85.6300, 102.0722



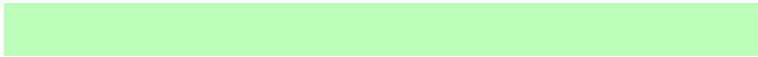
65.1164, 85.6300, 59.5506



90.0528, 85.6300, 165.0849

# Square

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



65.1164, 85.6300, 59.5506



68.5707, 85.6300, 152.8564



100.1685, 85.6300, 137.7011

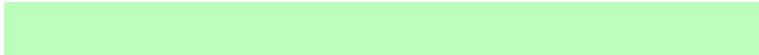


95.7123, 85.6300, 51.5693



# Rectangle

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



65.1164, 85.6300, 59.5506



61.6171, 85.6300, 107.3193



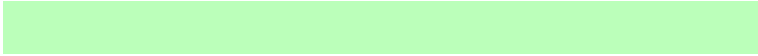
100.1685, 85.6300, 137.7011



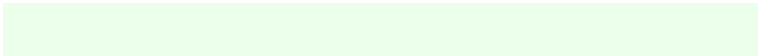
104.9932, 85.6300, 80.4430

# Sweetspot

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



65.1169, 85.6302, 59.5519



84.9240, 95.1394, 92.1824



85.4974, 95.5937, 60.4009



17.7959, 20.1807, 19.1017



0.0000, 0.0000, 0.0000

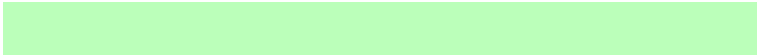


20.3446, 21.4041, 23.3091

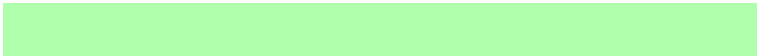


# Same Dimension

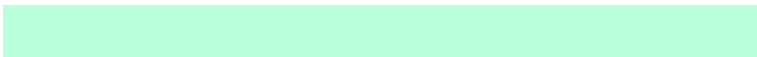
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.1169, 85.6302, 59.5519



60.9269, 83.6182, 52.6671



68.8427, 87.0924, 80.4426



17.7959, 20.1807, 19.1017



18.7200, 37.3886, 6.2301



1.8309, 3.6446, 0.6070



# Inverse Universe

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



76.4830, 63.4099, 102.8160



73.8772, 58.2975, 101.9665



71.9375, 61.6340, 76.9674



18.7652, 18.2862, 22.7905



30.2895, 14.5253, 50.6418

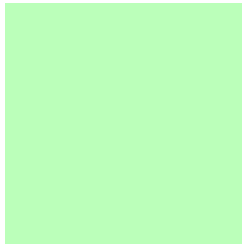


2.9572, 1.4184, 4.9312



# Previews

## White Background



This preview shows how the XYZ color 65.1164, 85.6300, 59.5506 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 65.1164, 85.6300, 59.5506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

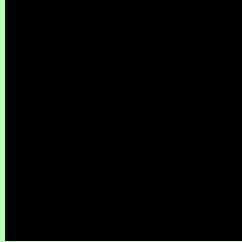
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.1164, 85.6300, 59.5506

## Background



This preview shows how black text looks on a background with the XYZ color 65.1164, 85.6300, 59.5506.



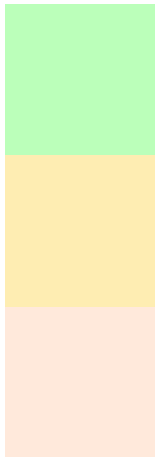
This preview shows how white text looks on a background with the XYZ color 65.1164, 85.6300,

59.5506.

# 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

65.1164, 85.6300, 59.5506

### Protanopia

79.1931, 84.8536, 54.3239

### Deuteranopia

83.1651, 84.6523, 78.9741



## Tritanopia

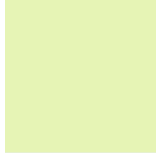
77.8265, 85.1713, 106.9456

# Trichromacy



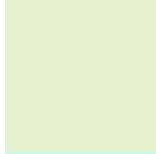
## Original Color

65.1164, 85.6300, 59.5506



## Protanomaly

73.3243, 84.8606, 56.2312



## Deuteranomaly

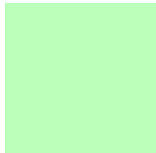
75.3509, 84.2386, 71.3197



## Tritanomaly

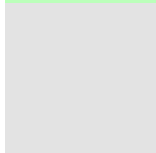
72.7205, 85.2138, 87.4780

# Monochromacy



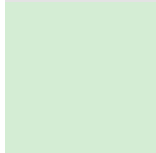
## Original Color

65.1164, 85.6300, 59.5506



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.3192, 79.3189, 73.9439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1164, 85.6300, 59.5506 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(187, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 186)  
}
```

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(187, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1164, 85.6300, 59.5506 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(187, 255, 186) }
```



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

```
.border{ border-color:rgb(187, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1164, 85.6300, 59.5506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 186) }
```

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

```
.background{ background-color: rgb(187,  
255, 186) }
```

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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