

# Converting Colors

XYZ(64.8696, 85.1119, 66.5285)

Have a look what the booklet for  
XYZ(64.8696, 85.1119, 66.5285)  
contains.

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# Color

**XYZ(65.0091, 85.4210,  
66.4876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FFC6
RGB	181, 255, 198
RGB Percent	71%, 100%, 78%
CMY	0.2902, 0.0000, 0.2235
CMYK	0.29, 0.00, 0.22, 0.00
HSL	134°, 100%, 85%
HSV	134°, 29%, 100%
XYZ	65.0091, 85.4210, 66.4876
YIQ	226.3760, -25.8070, -33.4150

# Conversions

## Conversions Part 2

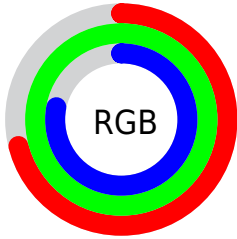
Format	Color
<a href="#">RYB</a>	<a href="#">181, 241, 255</a>
Decimal	<a href="#">11927494</a>
CIELab	<a href="#">94.06, -33.88, 20.09</a>
CIElCh	<a href="#">94, 39.386, 149.333</a>
Yxy	<a href="#">85.4210, 0.2997, 0.3938</a>
Android (android.graphics.Color)	<a href="#">4290117574 (0xFFB5FFC6)</a>
YUV	<a href="#">226.3760, -13.9894, -39.7948</a>
Hunter-Lab	<a href="#">92.4235, -36.1872, 22.0444</a>

# Details

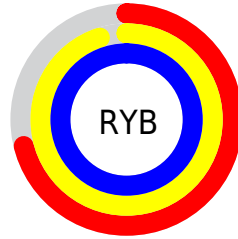
The XYZ color **65.0091, 85.4210, 66.4876** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1967, 60.4814, 88.7047**, and the grayscale version is **72.6721, 76.4567, 83.2613**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **33.8323, 46.8374, 33.6429** is the 20% darker color. If you saturate the color by 10%, you get **57.4462, 81.7672, 55.0644**, and if you desaturate by 10%, it is **73.9614, 89.7570, 79.5121**.

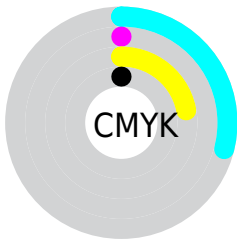
# Distribution



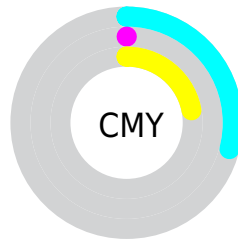
- Red (71%)
- Green (100%)
- Blue (78%)



- Red (71%)
- Yellow (95%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0091, 85.4210, 66.4876 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 65.0091, 85.4210, 66.4876 by changing the saturation by 10% instead.





 65.0091, 85.4210,  
66.4876

 65.0091, 85.4210,  
66.4876


432.3694,  
513.0201, 466.5704

 47.7332, 64.1893,  
48.2094


 111.1286,  
140.9612, 115.8196

 33.8260, 46.8040,  
33.6315


140.7028,  
176.0385, 147.7103

 22.9222, 32.8807,  
22.3356

175.1073,  
216.4998, 184.9757

 14.6565, 22.0351,  
13.9030

214.7072,  
262.7295, 228.0342

 8.6634, 13.8827,  
7.9153

259.8681,  
315.1120, 277.3044

 4.5776, 8.0391,  
3.9538

310.9551,

 2.0338, 4.1200,

374.0317, 333.2048

1.6000

368.3338,  
439.8729, 396.1540

■ 0.6529, 1.7409,  
0.2908

■ 0.0000, 0.4499,  
0.0000

■ 65.0091, 85.4210,  
66.4876

■ 65.0091, 85.4210,  
66.4876

■ 57.4462, 81.7672,  
55.0644

■ 73.9614, 89.7570,  
79.5121

■ 51.1998, 78.7594,  
45.1768

■ 84.3670, 94.8072,  
94.1925

■ 46.1932, 76.3595,  
36.7600

95.0500, 100.0000,  
108.9000

■ 42.3406, 74.5247,  
29.7434

■ 39.5450, 73.2067,  
24.0505

■ 37.6925, 72.3483,  
19.5971

■ 36.6205, 71.8678,  
16.2879

■ 36.5387, 71.8315,  
16.0204

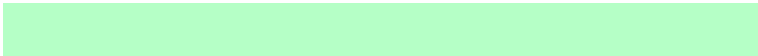
# Harmonies

## Analogous

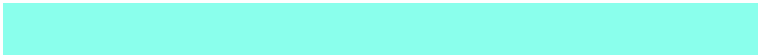
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6812, 85.4210, 51.1058



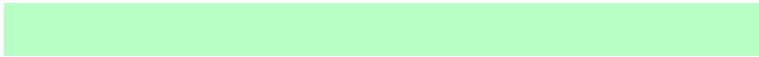
65.0091, 85.4210, 66.4876



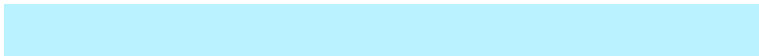
62.6021, 85.4210, 92.3369

# Triad

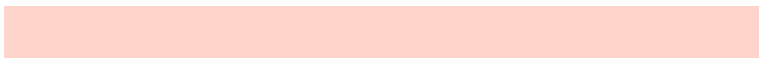
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.0091, 85.4210, 66.4876



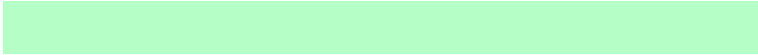
80.9551, 85.4210, 163.7676



100.1255, 85.4210, 67.4249

# Complementary

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



65.0091, 85.4210, 66.4876



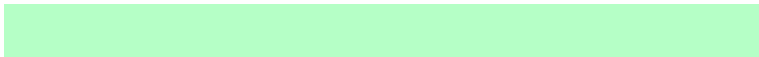
73.1967, 60.4814, 88.7047

# 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.



103.1352, 85.4210, 93.6843



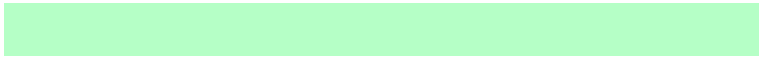
65.0091, 85.4210, 66.4876



91.5048, 85.4210, 153.1826

# Square

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



65.0091, 85.4210, 66.4876



71.3069, 85.4210, 152.2450



99.8553, 85.4210, 125.7841

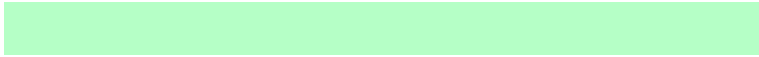


91.9468, 85.4210, 51.5591



# Rectangle

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



65.0091, 85.4210, 66.4876



63.5647, 85.4210, 113.5295



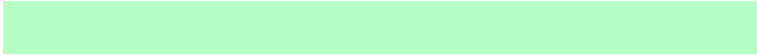
99.8553, 85.4210, 125.7841



101.8051, 85.4210, 75.1233

# Sweetspot

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



65.0097, 85.4213, 66.4890



84.3882, 94.8175, 94.2220



79.6861, 93.2012, 57.5067



17.7185, 20.1278, 19.6876



0.0000, 0.0000, 0.0000

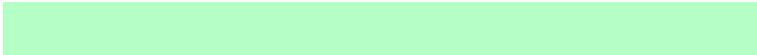


20.3446, 21.4041, 23.3091

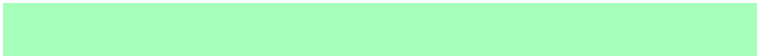


# Same Dimension

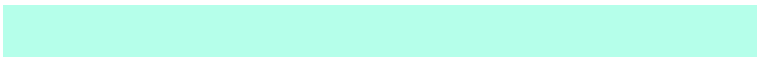
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.0097, 85.4213, 66.4890



60.3235, 83.1560, 59.4677



69.6726, 87.2864, 91.0432



17.9425, 20.2365, 20.0001



19.1388, 37.5521, 8.6163



1.9031, 3.6721, 1.0473



# Inverse Universe

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



73.1967, 60.4814, 88.7047



69.7534, 54.4107, 85.0416



68.4211, 58.5711, 63.5563



18.6036, 18.2248, 21.7958



26.8398, 13.2252, 28.8703

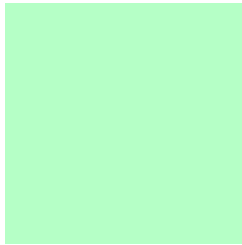


2.6547, 1.3043, 3.0291



# Previews

## White Background



This preview shows how the XYZ color 65.0091, 85.4210, 66.4876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

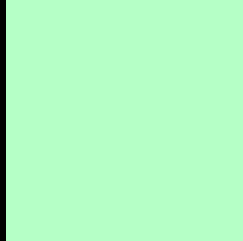
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0091, 85.4210, 66.4876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

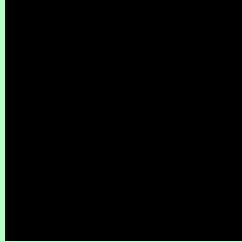
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

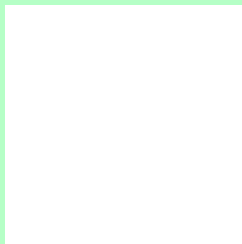
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.0091, 85.4210, 66.4876

## Background



This preview shows how black text looks on a background with the XYZ color 65.0091, 85.4210, 66.4876.



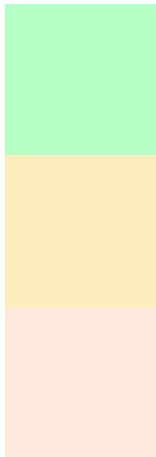
This preview shows how white text looks on a background with the XYZ color 65.0091, 85.4210,

66.4876.

# 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

65.0091, 85.4210, 66.4876

### Protanopia

79.6144, 84.9379, 60.3426

### Deuteranopia

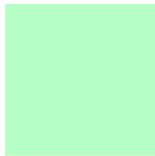
83.4301, 84.7583, 80.3694



## Tritanopia

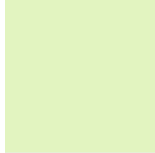
77.2520, 85.3182, 107.0042

# Trichromacy



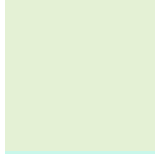
## Original Color

65.0091, 85.4210, 66.4876



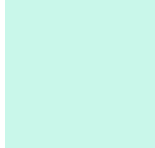
## Protanomaly

73.2291, 84.6759, 62.3537



## Deuteranomaly

75.4604, 84.2087, 75.2275



## Tritanomaly

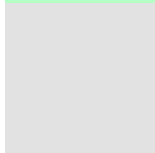
72.1994, 84.8795, 90.4200

# Monochromacy



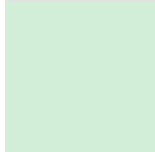
## Original Color

65.0091, 85.4210, 66.4876



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

69.2572, 79.2279, 76.6080

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0091, 85.4210, 66.4876 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(181, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 198)  
}
```

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(181, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0091, 85.4210, 66.4876 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(181, 255, 198) }
```



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

```
.border{ border-color:rgb(181, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0091, 85.4210, 66.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 198) }
```

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

```
.background{ background-color: rgb(181,  
255, 198) }
```

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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