

# Converting Colors

XYZ(65.3338, 83.7533, 64.3523)

Have a look what the booklet for  
XYZ(65.3338, 83.7533, 64.3523)  
contains.

<b>XYZ(65.3338, 83.7533, 64.3523)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(65.3338, 83.7533,  
64.3523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDFBC3
RGB	189, 251, 195
RGB Percent	74%, 98%, 76%
CMY	0.2588, 0.0157, 0.2353
CMYK	0.25, 0.00, 0.22, 0.02
HSL	126°, 89%, 86%
HSV	126°, 25%, 98%
XYZ	65.3338, 83.7533, 64.3523
YIQ	226.0780, -18.9760, -30.5600

# Conversions

## Conversions Part 2

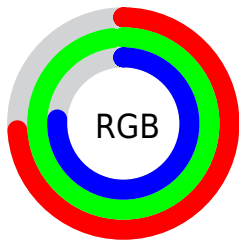
Format	Color
<a href="#">RYB</a>	<a href="#">189, 246, 251</a>
Decimal	<a href="#">12450755</a>
CIELab	<a href="#">93.34, -30.04, 20.68</a>
CIElCh	<a href="#">93, 36.470, 145.452</a>
Yxy	<a href="#">83.7533, 0.3061, 0.3924</a>
Android (android.graphics.Color)	<a href="#">4290640835 (0xFFBDFBC3)</a>
YUV	<a href="#">226.0780, -15.3215, -32.5174</a>
Hunter-Lab	<a href="#">91.5168, -32.7234, 22.3706</a>

# Details

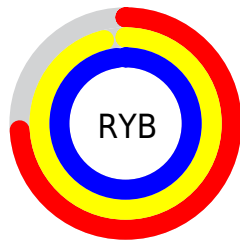
The XYZ color **65.3338, 83.7533, 64.3523** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.4656, 63.4989, 94.7216**, and the grayscale version is **72.4642, 76.2380, 83.0231**.

A 20% lighter version of the original color is **91.3367, 98.1411, 106.2246**, and **33.9310, 45.5750, 32.2078** is the 20% darker color. If you saturate the color by 10%, you get **57.2664, 79.8709, 51.5949**, and if you desaturate by 10%, it is **74.8724, 88.3540, 79.2137**.

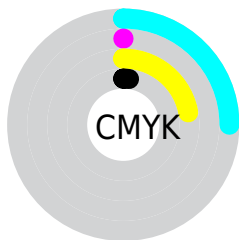
# Distribution



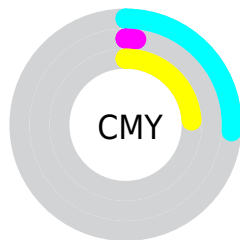
- Red (74%)
- Green (98%)
- Blue (76%)



- Red (74%)
- Yellow (96%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)



- Cyan (26%)
- Magenta (2%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3338, 83.7533, 64.3523 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 65.3338, 83.7533, 64.3523 by changing the saturation by 10% instead.



65.3338, 83.7533,  
64.3523

65.3338, 83.7533,  
64.3523

433.5168,  
507.4937, 458.7031

47.9975, 62.8118,  
46.4881

111.5927,  
138.6300, 112.7225

34.0362, 45.6890,  
32.2797

141.2459,  
173.3340, 144.0655

23.0844, 32.0004,  
21.3086

175.7356,  
213.3943, 180.7386

14.7769, 21.3618,  
13.1564

215.4270,  
259.1952, 223.1602

8.7482, 13.3887,  
7.4043

260.6854,  
311.1213, 271.7489

4.6331, 7.6968,  
3.6340

311.8763,

2.0662, 3.9015,

369.5567, 326.9233

1.4268

369.3650,  
434.8861, 389.1018

■ 0.6707, 1.6186,  
0.1625

■ 0.0000, 0.3701,  
0.0000

■ 65.3338, 83.7533,  
64.3523

■ 65.3338, 83.7533,  
64.3523

■ 57.2664, 79.8709,  
51.5949

■ 74.8724, 88.3540,  
79.2137

■ 50.5906, 76.6605,  
40.8412

■ 85.9433, 93.6954,  
96.2622

■ 45.2293, 74.0869,  
31.9910

■ 93.7888, 97.4776,  
108.4796

■ 41.0951, 72.1076,  
24.9335

■ 38.0902, 70.6747,  
19.5461

■ 36.1016, 69.7328,  
15.6912

■ 34.9923, 69.2147,  
13.2089

■ 34.6667, 69.0648,  
12.3839

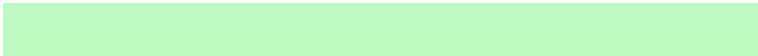
# Harmonies

## Analogous

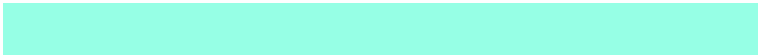
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9245, 83.7533, 51.2669



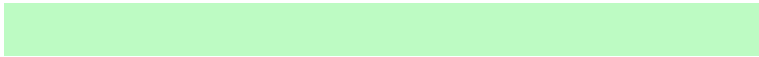
65.3338, 83.7533, 64.3523



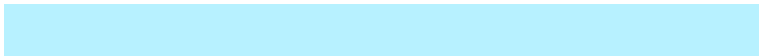
62.5681, 83.7533, 87.0606

# Triad

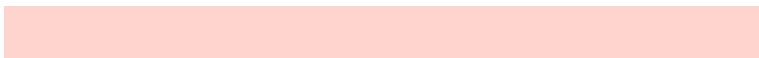
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.3338, 83.7533, 64.3523



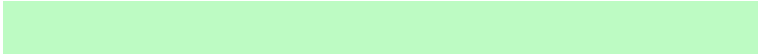
78.1487, 83.7533, 154.7781



97.4840, 83.7533, 70.2873

# Complementary

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



65.3338, 83.7533, 64.3523



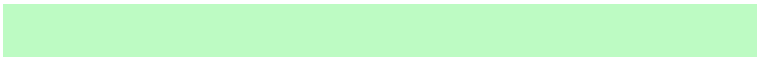
74.4656, 63.4989, 94.7216

# 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.



99.4838, 83.7533, 95.4544



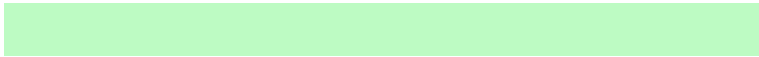
65.3338, 83.7533, 64.3523



87.8137, 83.7533, 147.8138

# Square

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



65.3338, 83.7533, 64.3523



69.5785, 83.7533, 142.0984



95.8163, 83.7533, 124.6190

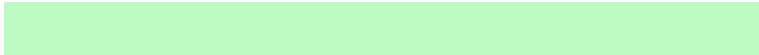


90.5513, 83.7533, 54.1789



# Rectangle

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



65.3338, 83.7533, 64.3523



63.0889, 83.7533, 106.0329



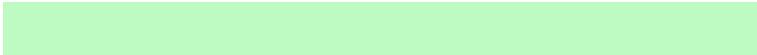
95.8163, 83.7533, 124.6190



98.7780, 83.7533, 77.8068

# Sweetspot

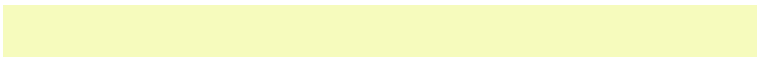
The Sweet Spot groups the original color and five complimentary colors.



65.3360, 83.7568, 64.3542



86.2970, 95.7751, 95.5046



81.6336, 92.2354, 61.6457



18.3177, 20.4258, 20.2063



0.0000, 0.0000, 0.0000

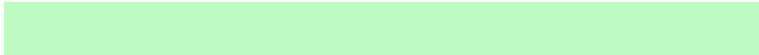


20.3446, 21.4041, 23.3091

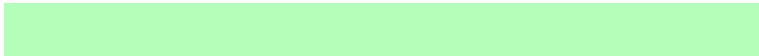


# Same Dimension

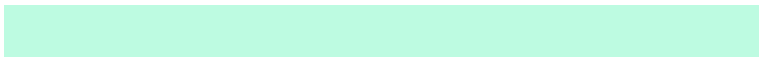
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.3360, 83.7568, 64.3542



63.0877, 84.5853, 59.4021



69.0993, 85.2622, 84.1714



17.0856, 19.3365, 18.6514



18.2445, 36.3108, 6.6307



1.7119, 3.3719, 0.7307



# Inverse Universe

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



74.4656, 63.4989, 94.7216



74.1408, 60.0524, 96.1627



70.2282, 61.8040, 72.4078



17.9164, 17.4939, 21.4153



28.2091, 13.6994, 39.4053

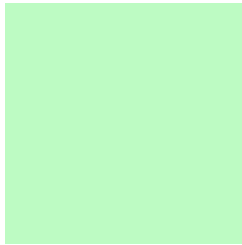


2.6331, 1.2770, 3.7571



# Previews

## White Background



This preview shows how the XYZ color 65.3338, 83.7533, 64.3523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

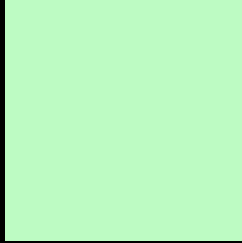
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.3338, 83.7533, 64.3523 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

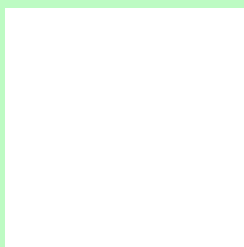
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.3338, 83.7533, 64.3523**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.3338, 83.7533, 64.3523.



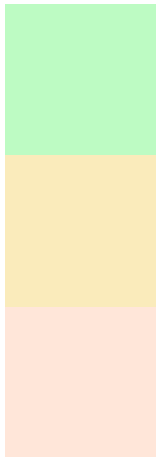
This preview shows how white text looks on a background with the XYZ color 65.3338, 83.7533, 64.3523.

64.3523.

# 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

65.3338, 83.7533, 64.3523

### Protanopia

78.1023, 83.3285, 58.9813

### Deuteranopia

82.0612, 82.8634, 77.3148



## Tritanopia

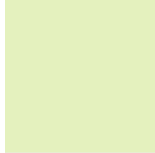
75.7884, 83.2418, 106.6805

# Trichromacy



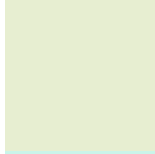
## Original Color

65.3338, 83.7533, 64.3523



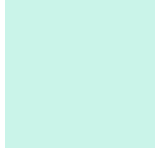
## Protanomaly

72.7445, 83.1223, 60.9254



## Deuteranomaly

75.0382, 82.7414, 72.3374



## Tritanomaly

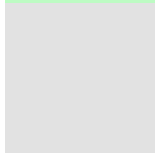
71.4158, 83.1411, 89.3746

# Monochromacy



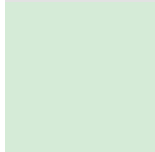
## Original Color

65.3338, 83.7533, 64.3523



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

69.4146, 78.4691, 75.7775

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3338, 83.7533, 64.3523 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, 251, 195)` looks like.

```
.text, #text, p{  
    color:rgb(189, 251, 195)  
}
```

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, 251, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 251, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3338, 83.7533, 64.3523 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, 251, 195) }
```



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

```
.border{ border-color:rgb(189, 251, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 251, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 251, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 251, 195);  
box-shadow:4px 4px 4px 4px rgb(189, 251,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3338, 83.7533, 64.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 251, 195) }
```

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

```
.background{ background-color: rgb(189,  
251, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor