

# Converting Colors

XYZ(65.4639, 76.3034, 85.6365)

Have a look what the booklet for  
XYZ(65.4639, 76.3034, 85.6365)  
contains.

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# **Color**

**XYZ(65.3370, 76.1502,  
85.3836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<b>BFEBE5</b>
RGB	<b>191, 235, 229</b>
RGB Percent	<b>75%, 92%, 90%</b>
CMY	<b>0.2510, 0.0784, 0.1020</b>
CMYK	<b>0.19, 0.00, 0.03, 0.08</b>
HSL	<b>172°, 52%, 84%</b>
HSV	<b>172°, 19%, 92%</b>
XYZ	<b>65.3370, 76.1502, 85.3836</b>
YIQ	<b>221.1600, -24.2980, -11.1940</b>

# Conversions

## Conversions Part 2

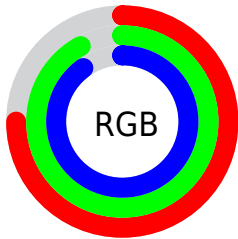
Format	Color
R <sub>Y</sub> B	191, 215, 235
Decimal	12577765
CIE Lab	89.93, -15.31, -1.80
CIE LCh	90, 15.420, 186.685
Yxy	76.1502, 0.2880, 0.3357
Android (android.graphics.Color)	4290767845 (0xFFBFEBE5)
YUV	221.1600, 3.8651, -26.4503
Hunter-Lab	87.2641, -19.0643, 3.0725

# Details

The XYZ color **65.3370, 76.1502, 85.3836** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.9724, 58.9569, 60.8872**, and the grayscale version is **68.8273, 72.4116, 78.8563**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **34.0766, 40.6146, 46.0878** is the 20% darker color. If you saturate the color by 10%, you get **59.4517, 73.1695, 82.7942**, and if you desaturate by 10%, it is **72.1832, 79.6294, 88.0643**.

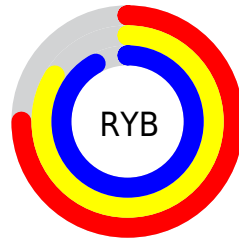
# Distribution



Red (75%)

Green (92%)

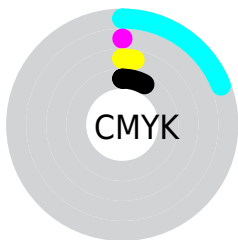
Blue (90%)



Red (75%)

Yellow (84%)

Blue (92%)

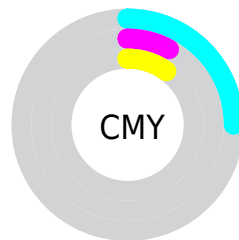


Cyan (19%)

Magenta (0%)

Yellow (3%)

Black (8%)



Cyan (25%)

Magenta (8%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3370, 76.1502, 85.3836 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 65.3370, 76.1502, 85.3836 by changing the saturation by 10% instead.



65.3370, 76.1502,  
85.3836

65.3370, 76.1502,  
85.3836

433.5281,  
481.8617, 533.0742

48.0001, 56.5557,  
63.6064

111.5972,  
127.9392, 142.7879

34.0382, 40.6486,  
45.8878

141.2513,  
160.9025, 179.2521

23.0860, 28.0446,  
31.8093

175.7418,  
199.0908, 221.4491

14.7781, 18.3593,  
20.9523

215.4340,  
242.8885, 269.7974

8.7491, 11.2083,  
12.8982

260.6935,  
292.6801, 324.7155

4.6337, 6.2071,  
7.2286

311.8854,

2.0665, 2.9714,

348.8499, 386.6219

3.5249

369.3751,  
411.7823, 455.9353

■ 0.6709, 1.1168,  
1.3685

■ 0.0000, 0.0000,  
0.1169

■ 65.3370, 76.1502,  
85.3836

■ 65.3370, 76.1502,  
85.3836

■ 59.4517, 73.1695,  
82.7942

■ 72.1832, 79.6294,  
88.0643

■ 54.4755, 70.6545,  
80.2887


■ 80.0259, 83.6193,  
90.8335


■ 50.3618, 68.5831,  
77.8662

■ 86.4736, 86.8891,  
93.5810


■ 47.0571, 66.9279,  
75.5241


■ 86.9507, 87.0799,  
96.0929

 44.5020, 65.6582,  
73.2593


 87.4361, 87.2740,  
98.6493

 42.6287, 64.7390,  
71.0685


 87.9301, 87.4716,  
101.2503

 41.3572, 64.1292,  
68.9475

 88.4325, 87.6726,  
103.8963

 40.5689, 63.7675,  
66.8907

 88.9436, 87.8770,  
106.5873

 40.4825, 63.7286,  
66.6319

 88.9997, 87.8995,  
106.8832

# Harmonies

## Analogous

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



65.8510, 76.1502, 74.8776



65.3370, 76.1502, 85.3836



66.6558, 76.1502, 96.1044

# Triad

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



65.3370, 76.1502, 85.3836



76.8483, 76.1502, 100.9218



75.3197, 76.1502, 65.0853

# Complementary

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



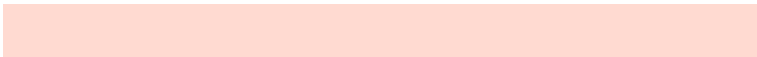
65.3370, 76.1502, 85.3836



62.9724, 58.9569, 60.8872

# 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.



78.4196, 76.1502, 70.9905



65.3370, 76.1502, 85.3836



79.3236, 76.1502, 91.5072

# Square

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



65.3370, 76.1502, 85.3836



73.2355, 76.1502, 105.5706



79.9085, 76.1502, 80.4937



71.5282, 76.1502, 63.7567

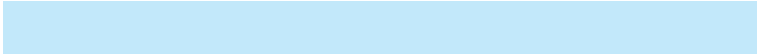


# Rectangle

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



65.3370, 76.1502, 85.3836



68.4252, 76.1502, 101.7317



79.9085, 76.1502, 80.4937



76.4811, 76.1502, 66.5740

# Sweetspot

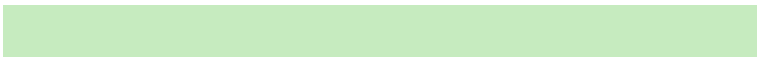
The Sweet Spot groups the original color and five complimentary colors.



65.3392, 76.1533, 85.3853



89.3091, 97.0791, 106.8866



62.2979, 75.1330, 60.5100



18.9878, 20.7138, 22.8317



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

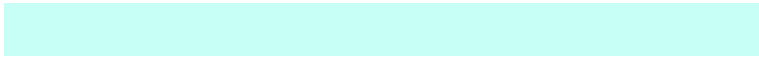


# Same Dimension

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



65.3392, 76.1533, 85.3853



76.1287, 90.3852, 101.7099



61.9718, 68.0538, 88.4704



15.4241, 17.0845, 18.9163



22.5645, 35.4803, 37.2671



1.7963, 2.7958, 3.0551



# Inverse Universe

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



62.9724, 58.9569, 60.8872



72.8484, 66.5440, 67.7505



65.8352, 65.7616, 58.5147



15.1491, 15.0875, 16.0707



19.2400, 9.8987, 1.7994

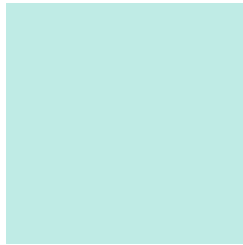


1.5373, 0.7879, 0.2808



# Previews

## White Background



This preview shows how the XYZ color 65.3370, 76.1502, 85.3836 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

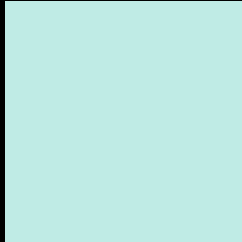
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.3370, 76.1502, 85.3836 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

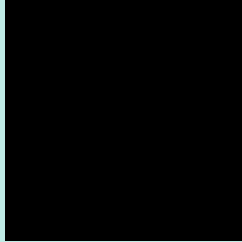
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

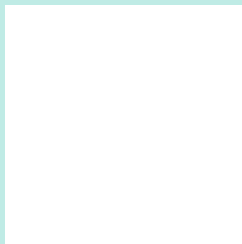
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.3370, 76.1502, 85.3836**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.3370, 76.1502, 85.3836.



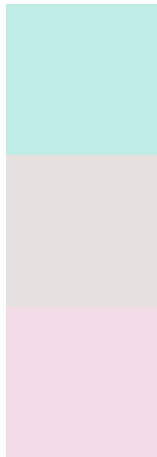
This preview shows how white text looks on a background with the XYZ color 65.3370, 76.1502,

85.3836.

# 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

65.3370, 76.1502, 85.3836

### Protanopia

72.8776, 76.0011, 80.6407

### Deuteranopia

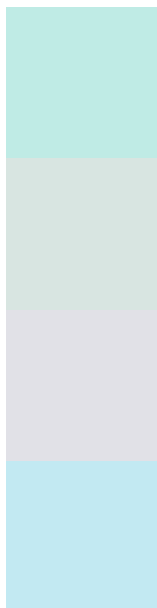
77.2052, 75.7223, 86.8906



## Tritanopia

68.6176, 76.2175, 101.5374

# Trichromacy



## Original Color

65.3370, 76.1502, 85.3836

## Protanomaly

69.9288, 76.0738, 82.2322

## Deuteranomaly

72.4004, 75.6275, 86.3830

## Tritanomaly

67.4141, 76.1580, 95.1513

# Monochromacy



## Original Color

65.3370, 76.1502, 85.3836

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

67.2292, 73.4762, 81.1600

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3370, 76.1502, 85.3836 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(191, 235, 229)` looks like.

```
.text, #text, p{  
    color:rgb(191, 235, 229)  
}
```

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(191, 235, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 235, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3370, 76.1502, 85.3836 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(191, 235, 229) }
```



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

```
.border{ border-color:rgb(191, 235, 229) }
```

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

Here you see how a box with a 4 pixel rgb(191, 235, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 235, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 235, 229);  
box-shadow:4px 4px 4px 4px rgb(191, 235,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3370, 76.1502, 85.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 235, 229) }
```

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

```
.background{ background-color: rgb(191,  
235, 229) }
```

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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