

# Converting Colors

XYZ(64.0668, 80.1271, 74.3804)

Have a look what the booklet for  
XYZ(64.0668, 80.1271, 74.3804)  
contains.

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# Color

**XYZ(64.0645, 80.1256,  
74.3766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7F5D4
RGB	183, 245, 212
RGB Percent	72%, 96%, 83%
CMY	0.2823, 0.0392, 0.1686
CMYK	0.25, 0.00, 0.13, 0.04
HSL	148°, 76%, 84%
HSV	148°, 25%, 96%
XYZ	64.0645, 80.1256, 74.3766
YIQ	222.7000, -26.3590, -23.4070

# Conversions

## Conversions Part 2

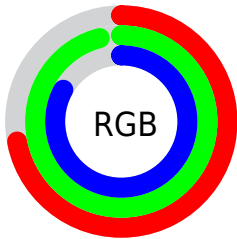
Format	Color
<a href="#">RYB</a>	<a href="#">183, 225, 245</a>
Decimal	<a href="#">12056020</a>
CIELab	<a href="#">91.74, -26.01, 9.62</a>
CIElCh	<a href="#">92, 27.732, 159.699</a>
Yxy	<a href="#">80.1256, 0.2931, 0.3666</a>
Android (android.graphics.Color)	<a href="#">4290246100 (0xFFB7F5D4)</a>
YUV	<a href="#">222.7000, -5.2751, -34.8169</a>
Hunter-Lab	<a href="#">89.5129, -28.8949, 13.3948</a>

# Details

The XYZ color **64.0645, 80.1256, 74.3766** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.9871, 58.2392, 72.6797**, and the grayscale version is **69.9778, 73.6221, 80.1745**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **33.3367, 43.4966, 38.5370** is the 20% darker color. If you saturate the color by 10%, you get **57.1576, 76.7496, 65.8106**, and if you desaturate by 10%, it is **72.1231, 84.0843, 83.6936**.

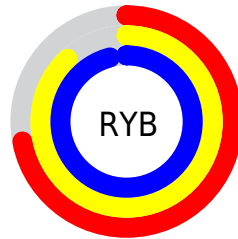
# Distribution



Red (72%)

Green (96%)

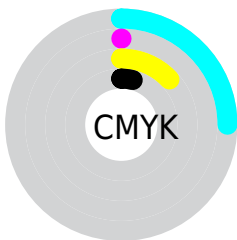
Blue (83%)



Red (72%)

Yellow (88%)

Blue (96%)

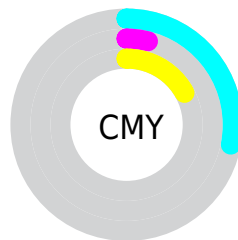


Cyan (25%)

Magenta (0%)

Yellow (13%)

Black (4%)



Cyan (28%)

Magenta (4%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0645, 80.1256, 74.3766 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 64.0645, 80.1256, 74.3766 by changing the saturation by 10% instead.




 64.0645, 80.1256,  
74.3766

 64.0645, 80.1256,  
74.3766


429.0211,  
495.3560, 494.9703

 46.9648, 59.8217,  
54.6037


 109.7770,  
133.5423, 127.1685

 33.2157, 43.2749,  
38.6880


139.1206,  
167.4239, 161.0245

 22.4517, 30.1009,  
26.2112

173.2761,  
206.6002, 200.4120

 14.3077, 19.9152,  
16.7545

212.6090,  
251.4556, 245.7495

 8.4181, 12.3334,  
9.8995

257.4846,  
302.3745, 297.4556

 4.4177, 6.9712,  
5.2276

308.2682,


 1.9410, 3.4441,


359.7413, 355.9487


2.3204


365.3252,  
423.9403, 421.6474


 0.6005, 1.3677,  
0.7426


 0.0000, 0.1928,  
0.0000


 64.0645, 80.1256,  
74.3766


 64.0645, 80.1256,  
74.3766


 57.1576, 76.7496,  
65.8106


 72.1231, 84.0843,  
83.6936

 51.3400, 73.9180,  
57.9713

 81.3785, 88.6421,  
93.7743

 46.5534, 71.6033,  
50.8408

 91.3263, 93.5408,  
104.6122

 42.7312, 69.7715,  
44.3983

 91.9439, 93.7879,  
107.8646

■ 39.7982, 68.3843,  
38.6219

■ 37.6675, 67.3973,  
33.4885

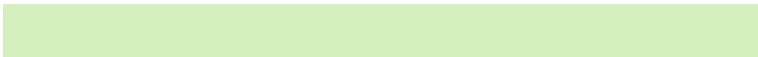
■ 36.2323, 66.7559,  
28.9729

■ 35.7251, 66.5363,  
27.0572

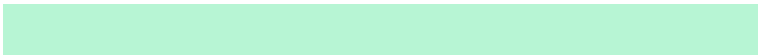
# Harmonies

## Analogous

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



67.7705, 80.1256, 60.5008



64.0645, 80.1256, 74.3766



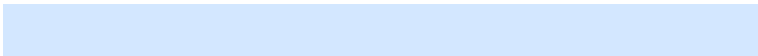
63.4848, 80.1256, 93.9927

# Triad

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



64.0645, 80.1256, 74.3766



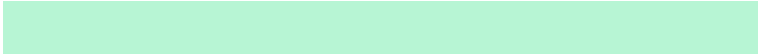
78.4786, 80.1256, 131.7035



87.1439, 80.1256, 64.5894

# Complementary

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



64.0645, 80.1256, 74.3766



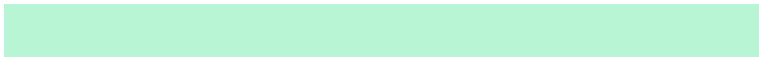
66.9871, 58.2392, 72.6797

# 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.



90.4123, 80.1256, 80.8247



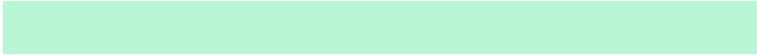
64.0645, 80.1256, 74.3766



85.2083, 80.1256, 120.8920

# Square

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



64.0645, 80.1256, 74.3766



71.5208, 80.1256, 129.2597



89.6827, 80.1256, 101.5141

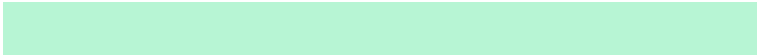


80.9893, 80.1256, 55.4886



# Rectangle

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



64.0645, 80.1256, 74.3766



64.9100, 80.1256, 108.0687



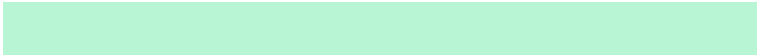
89.6827, 80.1256, 101.5141



88.6334, 80.1256, 69.2812

# Sweetspot

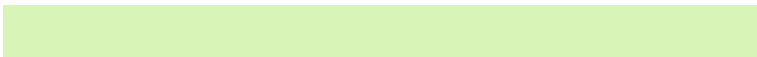
The Sweet Spot groups the original color and five complimentary colors.



64.0667, 80.1289, 74.3784



86.2397, 95.6544, 99.6185



69.5410, 83.3365, 57.2211



18.1251, 20.3096, 20.9620



0.0000, 0.0000, 0.0000

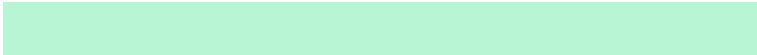


20.3446, 21.4041, 23.3091

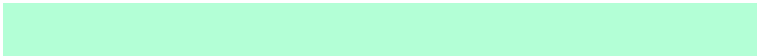


# Same Dimension

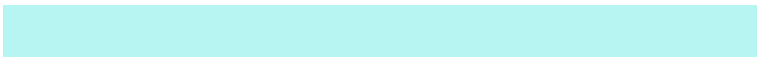
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0667, 80.1289, 74.3784



66.4085, 85.9136, 76.8892



68.3511, 81.8427, 96.9399



16.6048, 18.6011, 19.2031



19.3135, 35.8702, 14.9367



1.7489, 3.1732, 1.5836



# Inverse Universe

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



66.9871, 58.2392, 72.6797



70.0752, 58.4262, 74.7534



63.3560, 56.7868, 53.5586



16.8678, 16.6300, 19.0505



22.5423, 11.3604, 12.8301

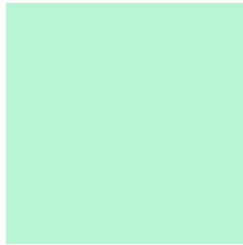


2.0332, 1.0192, 1.4010



# Previews

## White Background



This preview shows how the XYZ color 64.0645, 80.1256, 74.3766 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

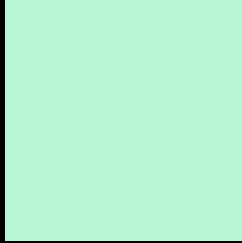
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.0645, 80.1256, 74.3766 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

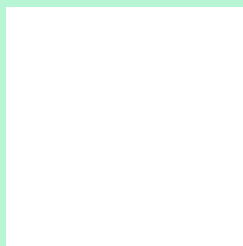
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.0645, 80.1256, 74.3766**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.0645, 80.1256, 74.3766.



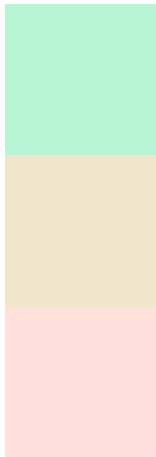
This preview shows how white text looks on a background with the XYZ color 64.0645, 80.1256,



# 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

64.0645, 80.1256, 74.3766

### Protanopia

75.4715, 79.6540, 68.5237

### Deuteranopia

80.5505, 79.6333, 77.4550



## Tritanopia

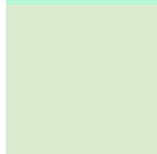
71.3895, 80.1048, 106.3069

# Trichromacy



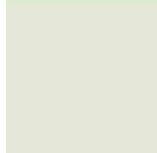
## Original Color

64.0645, 80.1256, 74.3766



## Protanomaly

70.4860, 79.1373, 70.5915



## Deuteranomaly

73.5644, 79.3291, 76.4005



## Tritanomaly

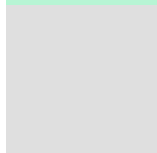
68.5211, 80.2190, 93.5337

# Monochromacy



## Original Color

64.0645, 80.1256, 74.3766



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

67.3745, 75.6762, 78.0738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.0645, 80.1256, 74.3766 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(183, 245, 212)` looks like.

```
.text, #text, p{  
    color:rgb(183, 245, 212)  
}
```

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(183, 245, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 245, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 64.0645, 80.1256, 74.3766 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(183, 245, 212) }
```



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

```
.border{ border-color:rgb(183, 245, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 245, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 245, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 245, 212);  
box-shadow:4px 4px 4px 4px rgb(183, 245,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.0645, 80.1256, 74.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 245, 212) }
```

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

```
.background{ background-color: rgb(183,  
245, 212) }
```

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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