

# Converting Colors

XYZ(68.4585, 80.3920, 63.1781)

Have a look what the booklet for  
XYZ(68.4585, 80.3920, 63.1781)  
contains.

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# Color

**XYZ(68.3383, 80.3614,  
62.9484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5F0C2
RGB	213, 240, 194
RGB Percent	84%, 94%, 76%
CMY	0.1647, 0.0588, 0.2392
CMYK	0.11, 0.00, 0.19, 0.06
HSL	95°, 61%, 85%
HSV	95°, 19%, 94%
XYZ	68.3383, 80.3614, 62.9484
YIQ	226.6830, -1.3260, -20.0300

# Conversions

## Conversions Part 2

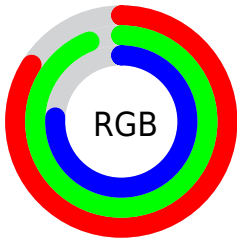
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 240, 221
Decimal	14020802
CIELab	91.85, -16.92, 19.33
CIELCh	92, 25.693, 131.203
Yxy	80.3614, 0.3229, 0.3797
Android (android.graphics.Color)	4292210882 (0xFFD5F0C2)
YUV	226.6830, -16.1127, -12.0000
Hunter-Lab	89.6445, -20.8028, 21.1177

# Details

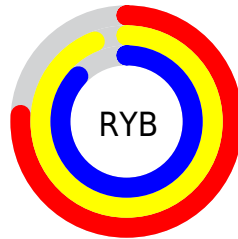
The XYZ color **68.3383, 80.3614, 62.9484** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.8420, 60.2492, 90.6541**, and the grayscale version is **72.8993, 76.6957, 83.5216**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **35.9747, 43.4435, 31.3003** is the 20% darker color. If you saturate the color by 10%, you get **61.9475, 77.3559, 49.6971**, and if you desaturate by 10%, it is **75.5238, 83.7310, 78.5126**.

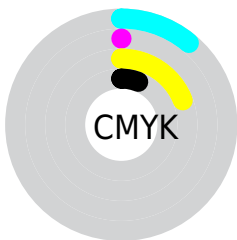
# Distribution



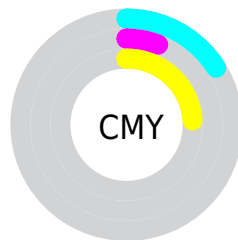
- Red (84%)
- Green (94%)
- Blue (76%)



- Red (76%)
- Yellow (94%)
- Blue (87%)



- Cyan (11%)
- Magenta (0%)
- Yellow (19%)
- Black (6%)



- Cyan (16%)
- Magenta (6%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3383, 80.3614, 62.9484 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 68.3383, 80.3614, 62.9484 by changing the saturation by 10% instead.



68.3383, 80.3614,  
62.9484

68.3383, 80.3614,  
62.9484

444.0517,  
496.1499, 453.4850

50.4477, 60.0158,  
45.3587

115.8752,  
133.8737, 110.6799

35.9885, 43.4314,  
31.3951

146.2523,  
167.8092, 141.6589

24.5954, 30.2237,  
20.6389

181.5221,  
207.0435, 177.9380

15.9030, 20.0085,  
12.6716

222.0502,  
251.9609, 219.9358

9.5459, 12.4012,  
7.0748

268.2018,  
302.9459, 268.0709

5.1589, 7.0175,  
3.4297

320.3424,

2.3765, 3.4731,

360.3828, 322.7617

1.3180

378.8372,  
424.6560, 384.4269

■ 0.8334, 1.3834,  
0.0765

■ 0.0000, 0.2044,  
0.0000

■ 68.3383, 80.3614,  
62.9484

■ 68.3383, 80.3614,  
62.9484

■ 61.9475, 77.3559,  
49.6971

■ 75.5238, 83.7310,  
78.5126

■ 56.3152, 74.6912,  
38.6432

■ 83.5257, 87.4666,  
96.4873

■ 51.4116, 72.3569,  
29.6690

■ 90.4517, 90.8035,  
107.3672

■ 47.2022, 70.3379,  
22.6440

■ 43.6491, 68.6182,  
17.4225

■ 40.7104, 67.1794,  
13.8387

■ 38.3373, 66.0011,  
11.6961

■ 36.4606, 65.0539,  
10.6923

■ 36.3205, 64.9829,  
10.6287

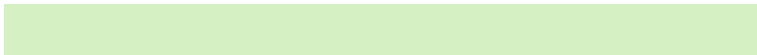
# Harmonies

## Analogous

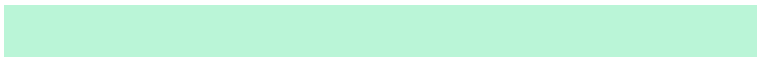
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9468, 80.3614, 56.5240



68.3383, 80.3614, 62.9484



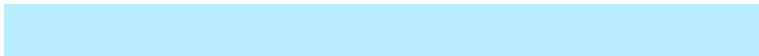
65.0079, 80.3614, 76.3251

# Triad

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



68.3383, 80.3614, 62.9484



72.3724, 80.3614, 126.5249



89.4907, 80.3614, 80.6403

# Complementary

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



68.3383, 80.3614, 62.9484



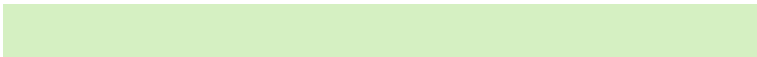
64.8420, 60.2492, 90.6541

# Split Complementary

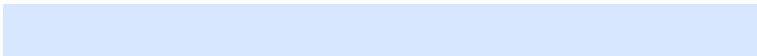
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0090, 80.3614, 99.7155



68.3383, 80.3614, 62.9484



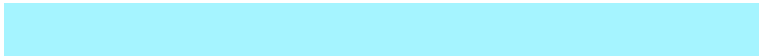
78.8682, 80.3614, 128.1215

# Square

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



68.3383, 80.3614, 62.9484



67.2429, 80.3614, 113.6341



85.0314, 80.3614, 117.7258

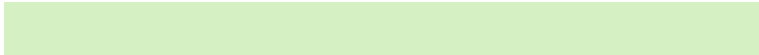


86.3119, 80.3614, 65.7154

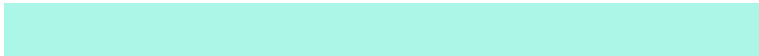


# Rectangle

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



68.3383, 80.3614, 62.9484



64.4056, 80.3614, 88.2636



85.0314, 80.3614, 117.7258



89.7560, 80.3614, 86.7407

# Sweetspot

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



68.3404, 80.3649, 62.9501



89.4563, 97.3897, 96.2878



71.4884, 74.0484, 61.5650



19.0215, 20.7866, 20.3289



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

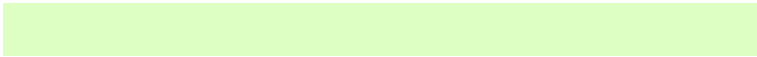


# Same Dimension

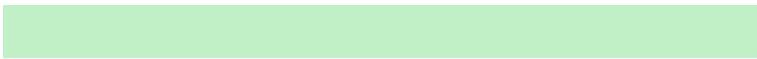
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3404, 80.3649, 62.9501



75.4523, 90.8265, 65.9882



63.5845, 77.8627, 65.0045



16.1843, 17.9752, 16.7663



20.0241, 35.6444, 5.8247



1.7763, 3.0222, 0.4897



# Inverse Universe

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



64.8420, 60.2492, 90.6541



70.7524, 63.8100, 103.1952



70.3946, 63.1768, 87.9721



15.7865, 15.6872, 19.9175



14.7668, 6.6180, 45.6270

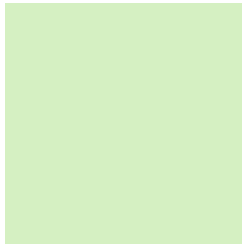


1.3413, 0.6087, 3.8010



# Previews

## White Background



This preview shows how the XYZ color 68.3383, 80.3614, 62.9484 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 68.3383, 80.3614, 62.9484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

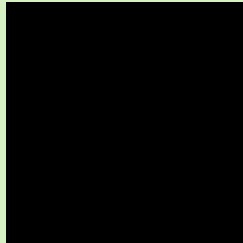
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

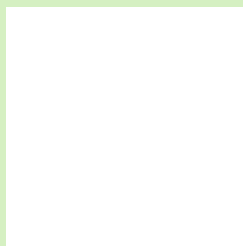
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.3383, 80.3614, 62.9484**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.3383, 80.3614, 62.9484.



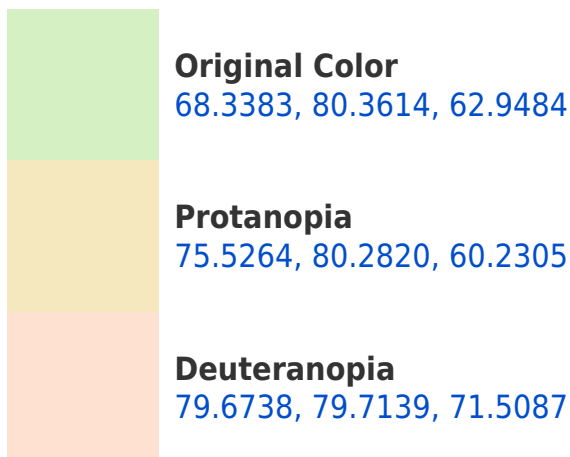
This preview shows how white text looks on a background with the XYZ color 68.3383, 80.3614,

62.9484.

# 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

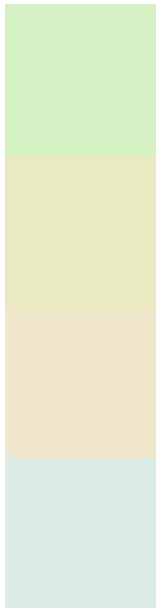




## Tritanopia

76.3934, 80.2079, 102.7221

# Trichromacy



## Original Color

68.3383, 80.3614, 62.9484

## Protanomaly

72.4311, 79.9309, 60.9009

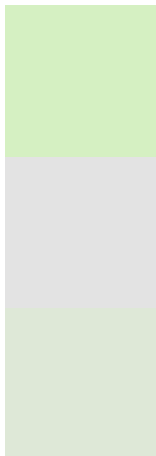
## Deuteranomaly

75.1311, 79.4785, 68.5078

## Tritanomaly

73.2047, 80.1899, 86.4828

# Monochromacy



## Original Color

68.3383, 80.3614, 62.9484

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

71.2466, 78.1491, 75.6192

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.3383, 80.3614, 62.9484 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(213, 240, 194)` looks like.

```
.text, #text, p{  
    color:rgb(213, 240, 194)  
}
```

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(213, 240, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 240, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 68.3383, 80.3614, 62.9484 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(213, 240, 194) }
```



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

```
.border{ border-color:rgb(213, 240, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 240, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 240, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 240, 194);  
box-shadow:4px 4px 4px 4px rgb(213, 240,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.3383, 80.3614, 62.9484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 240, 194) }
```

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

```
.background{ background-color: rgb(213,  
240, 194) }
```

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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