

Converting Colors

XYZ(64.6766, 75.7822, 67.4703)

Have a look what the booklet for
XYZ(64.6766, 75.7822, 67.4703)
contains.

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Color

**XYZ(64.8309, 75.8539,
67.7242)**

Conversions

Conversions Part 1

Format	Color
Hex	CBEACB
RGB	203, 234, 203
RGB Percent	80%, 92%, 80%
CMY	0.2039, 0.0823, 0.2039
CMYK	0.13, 0.00, 0.13, 0.08
HSL	120°, 42%, 86%
HSV	120°, 13%, 92%
XYZ	64.8309, 75.8539, 67.7242
YIQ	221.1970, -8.5250, -16.2130

Conversions

Conversions Part 2

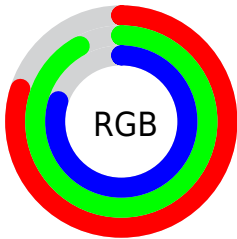
Format	Color
R _Y B	203, 234, 234
Decimal	13363915
CIE Lab	89.79, -15.86, 11.68
CIE LCh	90, 19.698, 143.646
Yxy	75.8539, 0.3111, 0.3640
Android (android.graphics.Color)	4291553995 (0xFFCBEACB)
YUV	221.1970, -8.9711, -15.9588
Hunter-Lab	87.0941, -19.5434, 14.8621

Details

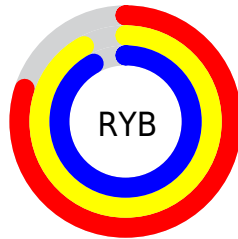
The XYZ color **64.8309, 75.8539, 67.7242** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.1416, 66.1466, 86.9162**, and the grayscale version is **68.9326, 72.5225, 78.9770**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7396, 40.4003, 34.4535** is the 20% darker color. If you saturate the color by 10%, you get **56.3516, 71.7831, 53.8530**, and if you desaturate by 10%, it is **74.6972, 80.5954, 83.8606**.

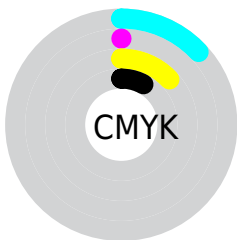
Distribution



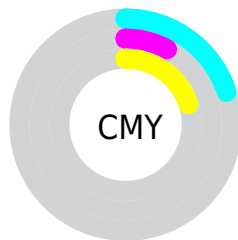
- Red (80%)
- Green (92%)
- Blue (80%)



- Red (80%)
- Yellow (92%)
- Blue (92%)



- Cyan (13%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)



- Cyan (20%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8309, 75.8539, 67.7242 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 64.8309, 75.8539, 67.7242 by changing the saturation by 10% instead.

■ 64.8309, 75.8539,
67.7242

■ 64.8309, 75.8539,
67.7242

431.7389,
480.8474, 471.0897

■ 47.5882, 56.3127,
49.2081

110.8738,
127.5204, 117.6080

■ 33.7108, 40.4537,
34.4178

140.4046,
160.4144, 149.8128

■ 22.8333, 27.8925,
22.9348

174.7622,
198.5283, 187.4175

■ 14.5905, 18.2446,
14.3405

214.3119,
242.2462, 230.8408

■ 8.6169, 11.1258,
8.2164

259.4191,
291.9527, 280.5011

■ 4.5473, 6.1515,
4.1440

310.4491,

■ 2.0162, 2.9374,

348.0322, 336.8170

1.7047

367.7672,
410.8689, 400.2070

■ 0.6430, 1.0991,
0.3639

■ 0.0000, 0.0000,
0.0000

■ 64.8309, 75.8539,
67.7242

■ 64.8309, 75.8539,
67.7242

■ 56.3516, 71.7831,
53.8530

■ 74.6972, 80.5954,
83.8606

■ 49.1912, 68.3436,
42.1409

■ 86.0022, 86.0258,
102.3518

■ 43.2855, 65.5068,
32.4810

■ 88.7143, 87.3285,
106.7881

■ 38.5621, 63.2379,
24.7551

■ 34.9417, 61.4988,
18.8331

■ 32.3347, 60.2466,
14.5688

■ 30.6380, 59.4316,
11.7936

■ 29.7266, 58.9937,
10.3026

■ 29.4243, 58.8486,
9.8082

Harmonies

Analogous

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



68.4140, 75.8539, 60.4253



64.8309, 75.8539, 67.7242



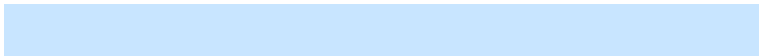
63.2040, 75.8539, 79.6659

Triad

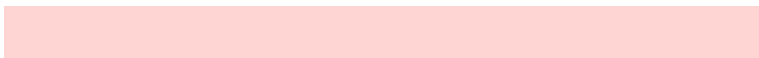
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.8309, 75.8539, 67.7242



71.0678, 75.8539, 112.1422



80.9987, 75.8539, 72.3179

Complementary

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



64.8309, 75.8539, 67.7242



70.1416, 66.1466, 86.9162

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.



81.7870, 75.8539, 85.5889



64.8309, 75.8539, 67.7242



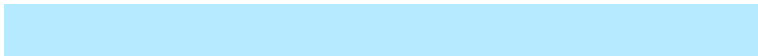
75.9095, 75.8539, 109.6084

Square

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



64.8309, 75.8539, 67.7242



66.6991, 75.8539, 106.0708



79.8864, 75.8539, 99.4906



77.7783, 75.8539, 62.8618

Rectangle

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



64.8309, 75.8539, 67.7242



63.3932, 75.8539, 89.0670



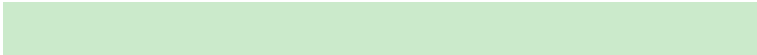
79.8864, 75.8539, 99.4906



81.5628, 75.8539, 76.4387

Sweetspot

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



64.8330, 75.8571, 67.7259



89.7974, 97.4769, 100.3084



74.1373, 80.6537, 68.1611



19.0157, 20.7658, 21.1354



0.0000, 0.0000, 0.0000



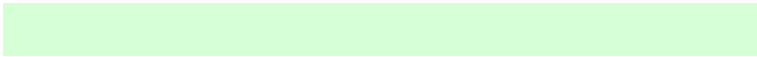
20.3446, 21.4041, 23.3091

Same Dimension

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



64.8330, 75.8571, 67.7259



75.7132, 90.7115, 77.2712



66.7741, 76.6336, 77.9479



14.8684, 16.8622, 15.9898



16.5341, 33.0681, 5.5114



1.2983, 2.5966, 0.4328

Inverse Universe

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



70.1416, 66.1466, 86.9162



83.3871, 76.6744, 105.0120



68.0105, 65.2942, 75.6940



15.7149, 15.3138, 19.0498



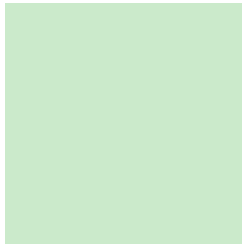
27.4132, 13.1680, 44.8386



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 64.8309, 75.8539, 67.7242 looks on a white background.

Color Contrast Check

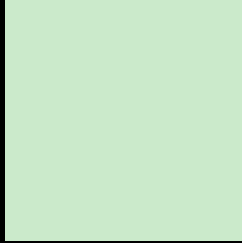
Large Text (above 18pt) WCAG AA × Fail

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 64.8309, 75.8539, 67.7242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

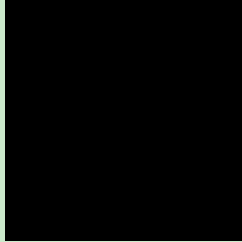
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

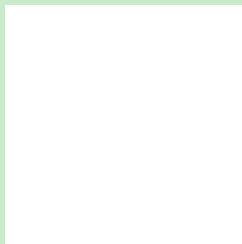
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8309, 75.8539, 67.7242

Background



This preview shows how black text looks on a background with the XYZ color 64.8309, 75.8539, 67.7242.



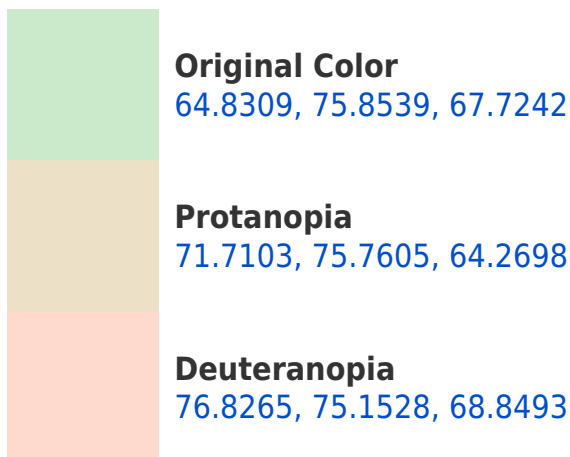
This preview shows how white text looks on a background with the XYZ color 64.8309, 75.8539,

67.7242.

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

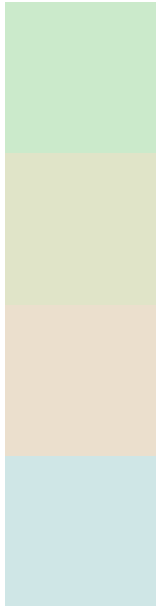




Tritanopia

70.9563, 75.8423, 98.0880

Trichromacy



Original Color

64.8309, 75.8539, 67.7242

Protanomaly

68.9092, 75.5042, 65.5855

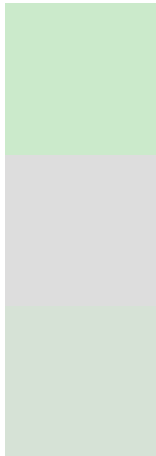
Deuteranomaly

71.6681, 74.8453, 68.4269

Tritanomaly

68.3119, 75.5722, 85.8494

Monochromacy



Original Color

64.8309, 75.8539, 67.7242

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.0655, 73.5439, 74.2790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8309, 75.8539, 67.7242 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(203, 234, 203)` looks like.

```
.text, #text, p{  
    color:rgb(203, 234, 203)  
}
```

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(203, 234, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 234, 203) }
```

Border

The CSS property to change the border of an element to XYZ 64.8309, 75.8539, 67.7242 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(203, 234, 203) }
```


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

```
.border{ border-color:rgb(203, 234, 203) }
```

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

Here you see how a box with a 4 pixel rgb(203, 234, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 234, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 234, 203);  
box-shadow:4px 4px 4px 4px rgb(203, 234,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8309, 75.8539, 67.7242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 234, 203) }
```

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

```
.background{ background-color: rgb(203,  
234, 203) }
```

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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