

Converting Colors

XYZ(67.9243, 83.8071, 66.1449)

Have a look what the booklet for
XYZ(67.9243, 83.8071, 66.1449)
contains.

XYZ(67.8478, 83.6295, 65.9922)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.8478, 83.6295,
65.9922)**

Conversions

Conversions Part 1

Format	Color
Hex	C9F8C6
RGB	201, 248, 198
RGB Percent	79%, 97%, 78%
CMY	0.2118, 0.0274, 0.2235
CMYK	0.19, 0.00, 0.20, 0.03
HSL	116°, 78%, 87%
HSV	116°, 20%, 97%
XYZ	67.8478, 83.6295, 65.9922
YIQ	228.2470, -11.9620, -25.5140

Conversions

Conversions Part 2

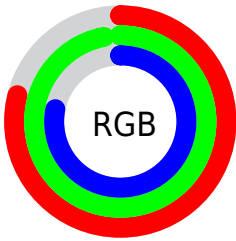
Format	Color
R_{YB}	198, 248, 245
Decimal	13236422
CIE _{Lab}	93.29, -24.22, 19.18
CIE _{LCh}	93, 30.889, 141.628
Yxy	83.6295, 0.3120, 0.3846
Android (android.graphics.Color)	4291426502 (0xFFC9F8C6)
YUV	228.2470, -14.9118, -23.8956
Hunter-Lab	91.4492, -27.6036, 21.2291

Details

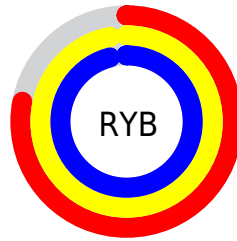
The XYZ color **67.8478, 83.6295, 65.9922** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.7970, 66.5803, 97.7203**, and the grayscale version is **74.0375, 77.8932, 84.8257**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5189, 45.3862, 33.2739** is the 20% darker color. If you saturate the color by 10%, you get **59.4200, 79.5911, 51.8683**, and if you desaturate by 10%, it is **77.6997, 88.3527, 82.6311**.

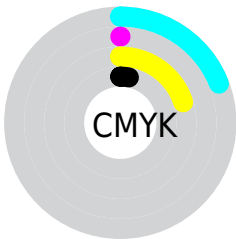
Distribution



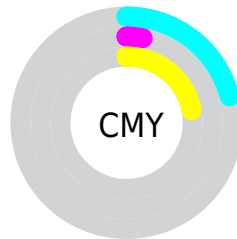
- Red (79%)
- Green (97%)
- Blue (78%)



- Red (78%)
- Yellow (97%)
- Blue (96%)



- Cyan (19%)
- Magenta (0%)
- Yellow (20%)
- Black (3%)



- Cyan (21%)
- Magenta (3%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8478, 83.6295, 65.9922 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 67.8478, 83.6295, 65.9922 by changing the saturation by 10% instead.

67.8478, 83.6295,
65.9922

67.8478, 83.6295,
65.9922

442.3418,
507.0821, 464.7524

50.0471, 62.7096,
47.8096

115.1775,
138.4568, 115.1020

35.6688, 45.6063,
33.3172

145.4372,
173.1329, 146.8664

24.3474, 31.9353,
22.0965

180.5807,
213.1633, 183.9951

15.7177, 21.3121,
13.7288

220.9733,
258.9323, 226.9066

9.4142, 13.3523,
7.7957

266.9804,
310.8243, 276.0196

5.0716, 7.6716,
3.8786

318.9672,

2.3245, 3.8855,

369.2236, 331.7525

1.5590

377.2992,
434.5148, 394.5240

0.8072, 1.6097,
0.2613

0.0000, 0.3642,
0.0000

67.8478, 83.6295,
65.9922

67.8478, 83.6295,
65.9922

59.4200, 79.5911,
51.8683

77.6997, 88.3527,
82.6311

52.3441, 76.1958,
40.1321

89.0302, 93.7792,
101.8932

46.5516, 73.4135,
30.6533

92.8590, 95.6181,
108.1697

41.9655, 71.2075,
23.2869

■ 38.5004, 69.5375,
17.8714

■ 36.0597, 68.3575,
14.2216

■ 34.5304, 67.6142,
12.1169

■ 33.7640, 67.2386,
11.1988

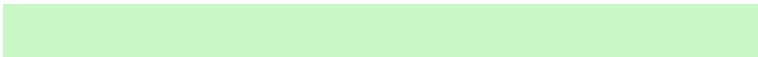
Harmonies

Analogous

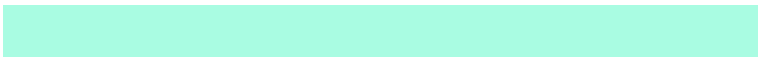
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8623, 83.6295, 55.4509



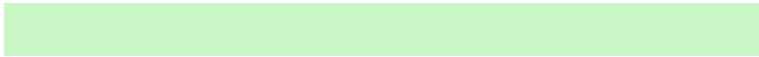
67.8478, 83.6295, 65.9922



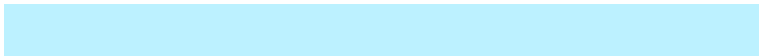
64.9993, 83.6295, 84.6924

Triad

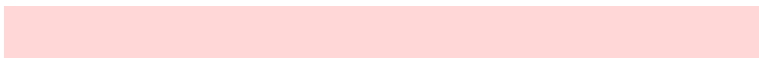
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.8478, 83.6295, 65.9922



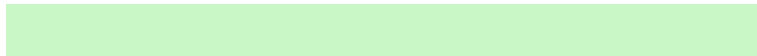
77.2323, 83.6295, 142.9368



94.9270, 83.6295, 75.5300

Complementary

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



67.8478, 83.6295, 65.9922



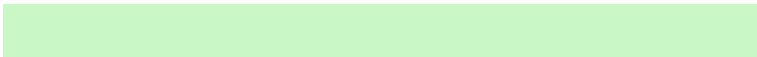
74.7970, 66.5803, 97.7203

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.



95.9825, 83.6295, 97.7355



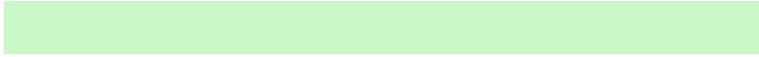
67.8478, 83.6295, 65.9922



85.3910, 83.6295, 139.3534

Square

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



67.8478, 83.6295, 65.9922



70.1705, 83.6295, 130.8725



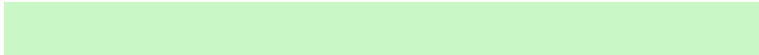
92.3873, 83.6295, 121.7822



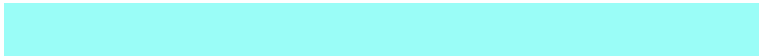
89.5944, 83.6295, 60.2685

Rectangle

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



67.8478, 83.6295, 65.9922



65.1343, 83.6295, 100.3857



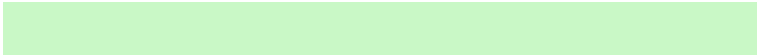
92.3873, 83.6295, 121.7822



95.8077, 83.6295, 82.3273

Sweetspot

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



67.8500, 83.6331, 65.9940



87.5889, 96.4270, 96.2005



81.4598, 89.1411, 66.3399



18.5813, 20.5597, 20.3083



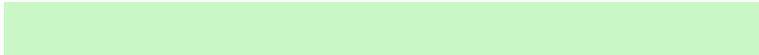
0.0000, 0.0000, 0.0000



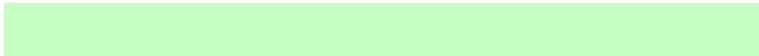
20.3446, 21.4041, 23.3091

Same Dimension

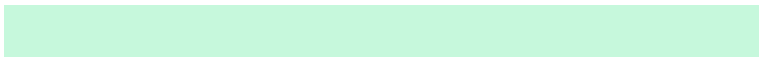
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8500, 83.6331, 65.9940



68.6246, 87.3400, 64.1627



69.7329, 84.2940, 80.0764



17.1137, 19.3589, 18.2970



18.2754, 36.3396, 6.0510



1.7254, 3.3826, 0.5620

Inverse Universe

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



74.7970, 66.5803, 97.7203



77.1997, 66.2851, 103.3332



72.6816, 65.8561, 81.0751



17.8842, 17.4684, 21.8144



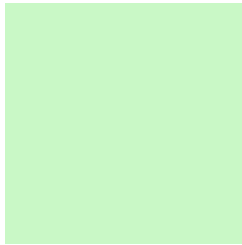
27.3714, 13.0531, 49.0504



2.5654, 1.2246, 4.5443

Previews

White Background



This preview shows how the XYZ color 67.8478, 83.6295, 65.9922 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 67.8478, 83.6295, 65.9922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

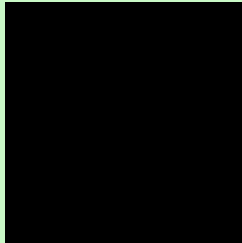
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

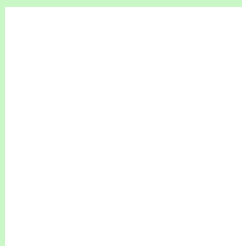
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8478, 83.6295, 65.9922

Background



This preview shows how black text looks on a background with the XYZ color 67.8478, 83.6295, 65.9922.



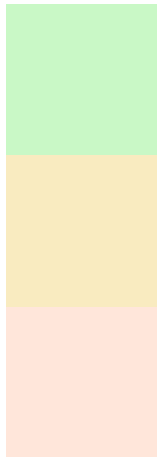
This preview shows how white text looks on a background with the XYZ color 67.8478, 83.6295,

65.9922.

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

67.8478, 83.6295, 65.9922

Protanopia

78.2897, 83.3622, 61.8334

Deuteranopia

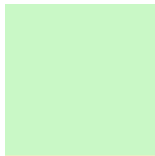
82.1917, 82.9156, 78.0020



Tritanopia

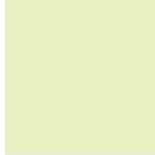
76.9408, 83.4001, 106.6504

Trichromacy



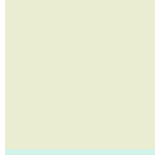
Original Color

67.8478, 83.6295, 65.9922



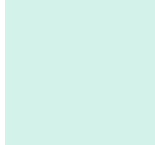
Protanomaly

74.1764, 83.3710, 63.2216



Deuteranomaly

76.3030, 82.9337, 73.6142



Tritanomaly

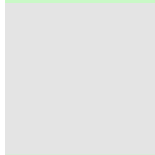
73.1818, 83.1464, 90.0337

Monochromacy



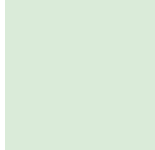
Original Color

67.8478, 83.6295, 65.9922



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.1462, 79.3318, 77.2084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8478, 83.6295, 65.9922 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(201, 248, 198)` looks like.

```
.text, #text, p{  
    color:rgb(201, 248, 198)  
}
```

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(201, 248, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 248, 198) }
```

Border

The CSS property to change the border of an element to XYZ 67.8478, 83.6295, 65.9922 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(201, 248, 198) }
```


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

```
.border{ border-color:rgb(201, 248, 198) }
```

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

Here you see how a box with a 4 pixel rgb(201, 248, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 248, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 248, 198);  
box-shadow:4px 4px 4px 4px rgb(201, 248,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8478, 83.6295, 65.9922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 248, 198) }
```

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

```
.background{ background-color: rgb(201,  
248, 198) }
```

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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