

Converting Colors

XYZ(65.1022, 80.2503, 56.8912)

Have a look what the booklet for
XYZ(65.1022, 80.2503, 56.8912)
contains.

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Color

**XYZ(64.9550, 80.0766,
56.8326)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF3B7
RGB	202, 243, 183
RGB Percent	79%, 95%, 72%
CMY	0.2078, 0.0470, 0.2823
CMYK	0.17, 0.00, 0.25, 0.05
HSL	101°, 71%, 84%
HSV	101°, 25%, 95%
XYZ	64.9550, 80.0766, 56.8326
YIQ	223.9010, -5.1760, -27.3520

Conversions

Conversions Part 2

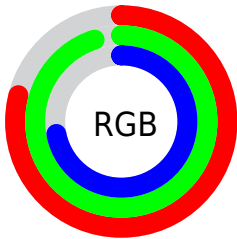
Format	Color
RYB	183, 243, 224
Decimal	13300663
CIELab	91.72, -23.89, 24.69
CIELCh	92, 34.359, 134.058
Yxy	80.0766, 0.3218, 0.3967
Android (android.graphics.Color)	4291490743 (0xFFCAF3B7)
YUV	223.9010, -20.1642, -19.2072
Hunter-Lab	89.4855, -27.0316, 24.9846

Details

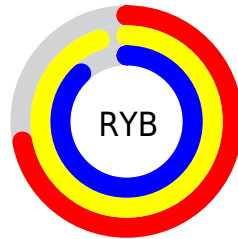
The XYZ color **64.9550, 80.0766, 56.8326** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.8548, 56.1876, 92.2780**, and the grayscale version is **70.9248, 74.6184, 81.2594**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **33.8322, 43.3554, 27.7044** is the 20% darker color. If you saturate the color by 10%, you get **58.3873, 76.9607, 44.4429**, and if you desaturate by 10%, it is **72.4471, 83.6234, 71.5483**.

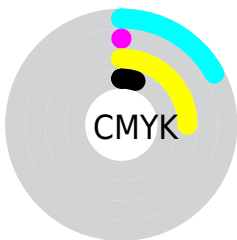
Distribution



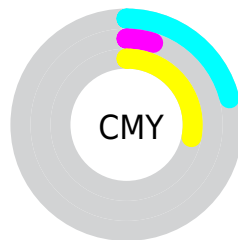
- Red (79%)
- Green (95%)
- Blue (72%)



- Red (72%)
- Yellow (95%)
- Blue (88%)



- Cyan (17%)
- Magenta (0%)
- Yellow (25%)
- Black (5%)



- Cyan (21%)
- Magenta (5%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9550, 80.0766, 56.8326 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 64.9550, 80.0766, 56.8326 by changing the saturation by 10% instead.

64.9550, 80.0766,
56.8326

64.9550, 80.0766,
56.8326

432.1780,
495.1909, 430.2979

47.6892, 59.7814,
40.4624

111.0512,
133.4734, 101.7188

33.7910, 43.2425,
27.5827

140.6123,
167.3438, 131.0719

22.8952, 30.0754,
17.7751

175.0025,
206.5081, 165.5896

14.6364, 19.8958,
10.6208

214.5872,
251.3506, 205.6906

8.6493, 12.3193,
5.7015

259.7318,
302.2557, 251.7934

4.5684, 6.9616,
2.5986


310.8015,


2.0285, 3.4381,


359.6079, 304.3165


0.8917


368.1618,
423.7915, 363.6785

 0.6499, 1.3645,
0.0000


 0.0000, 0.1903,
0.0000


 64.9550, 80.0766,
56.8326


 64.9550, 80.0766,
56.8326


 58.3873, 76.9607,
44.4429


 72.4471, 83.6234,
71.5483


 52.7002, 74.2485,
34.2550

 80.8928, 87.6065,
88.6950

 47.8553, 71.9254,
26.1413

 90.1818, 91.9861,
107.6098

 43.8085, 69.9719,
19.9589

 91.3422, 92.5843,
107.6641

■ 40.5117, 68.3665,
15.5466

■ 37.9101, 67.0853,
12.7174

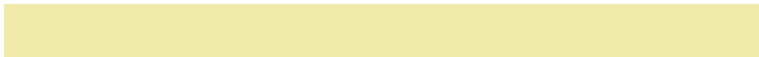
■ 35.9397, 66.1001,
11.2417

■ 35.1082, 65.6798,
10.8271

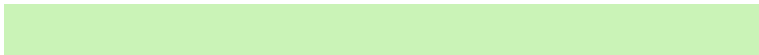
Harmonies

Analogous

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



72.0796, 80.0766, 48.1684



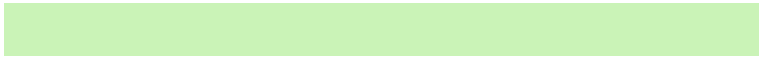
64.9550, 80.0766, 56.8326



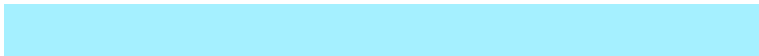
60.9922, 80.0766, 74.5622

Triad

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



64.9550, 80.0766, 56.8326



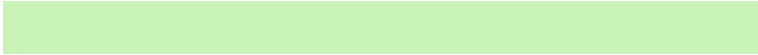
71.5631, 80.0766, 142.4874



93.7059, 80.0766, 75.9561

Complementary

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



64.9550, 80.0766, 56.8326



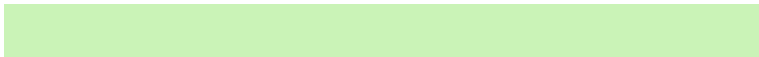
63.8548, 56.1876, 92.2780

Split Complementary

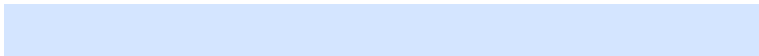
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.5407, 80.0766, 101.1683



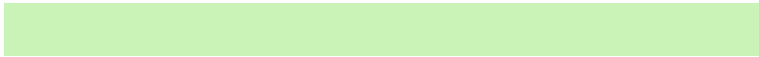
64.9550, 80.0766, 56.8326



80.2888, 80.0766, 143.0598

Square

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



64.9550, 80.0766, 56.8326



64.6020, 80.0766, 125.3546



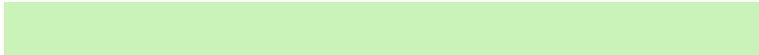
88.4751, 80.0766, 126.7939



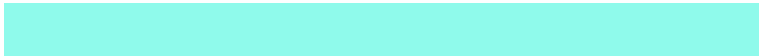
88.9103, 80.0766, 57.6830

Rectangle

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



64.9550, 80.0766, 56.8326



60.4695, 80.0766, 90.6589



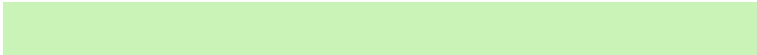
88.4751, 80.0766, 126.7939



94.2395, 80.0766, 83.8104

Sweetspot

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



64.9571, 80.0801, 56.8343



87.9618, 96.6627, 94.2574



72.1682, 75.7882, 55.6259



18.7021, 20.6307, 19.9187



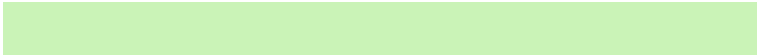
0.0000, 0.0000, 0.0000



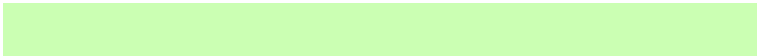
20.3446, 21.4041, 23.3091

Same Dimension

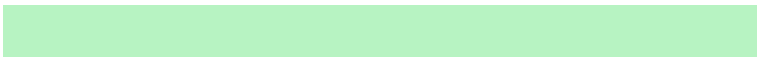
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.9571, 80.0801, 56.8343



68.3993, 87.4121, 55.6504



61.3190, 78.0671, 62.8772



16.7760, 18.7266, 17.5280



19.3907, 36.1091, 5.9478



1.8063, 3.2262, 0.5275

Inverse Universe

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



63.8548, 56.1876, 92.2780



66.9533, 56.2121, 101.9289



68.4641, 58.7500, 84.0789



16.6735, 16.4899, 20.8466



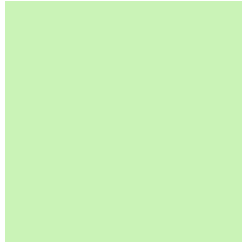
17.6624, 8.0796, 47.1666



1.6585, 0.7649, 4.1505

Previews

White Background



This preview shows how the XYZ color 64.9550, 80.0766, 56.8326 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 64.9550, 80.0766, 56.8326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

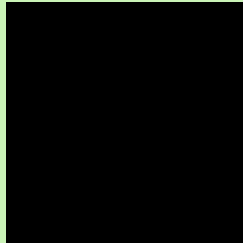
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

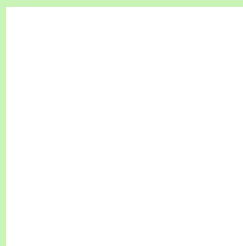
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9550, 80.0766, 56.8326

Background



This preview shows how black text looks on a background with the XYZ color 64.9550, 80.0766, 56.8326.

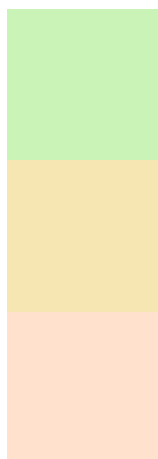


This preview shows how white text looks on a background with the XYZ color 64.9550, 80.0766,

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

64.9550, 80.0766, 56.8326

Protanopia

74.2387, 79.3608, 53.0003

Deuteranopia

79.1847, 79.5182, 68.9327



Tritanopia

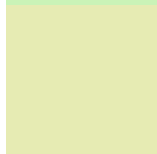
74.4341, 80.0200, 103.6178

Trichromacy



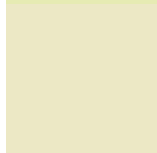
Original Color

64.9550, 80.0766, 56.8326



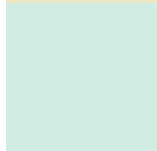
Protanomaly

70.4781, 79.4943, 54.2772



Deuteranomaly

73.5267, 79.5773, 64.3080



Tritanomaly

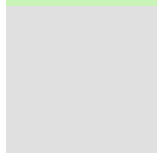
70.4438, 79.6697, 84.3381

Monochromacy



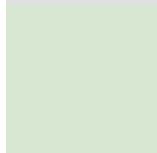
Original Color

64.9550, 80.0766, 56.8326



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.4034, 76.3542, 71.4542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9550, 80.0766, 56.8326 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(202, 243, 183)` looks like.

```
.text, #text, p{  
    color:rgb(202, 243, 183)  
}
```

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(202, 243, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 243, 183) }
```

Border

The CSS property to change the border of an element to XYZ 64.9550, 80.0766, 56.8326 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(202, 243, 183) }
```


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

```
.border{ border-color:rgb(202, 243, 183) }
```

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

Here you see how a box with a 4 pixel rgb(202, 243, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 243, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 243, 183);  
box-shadow:4px 4px 4px 4px rgb(202, 243,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9550, 80.0766, 56.8326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 243, 183) }
```

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

```
.background{ background-color: rgb(202,  
243, 183) }
```

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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