

Converting Colors

XYZ(72.4882, 95.2403, 59.4007)

Have a look what the booklet for
XYZ(72.4882, 95.2403, 59.4007)
contains.

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Color

**XYZ(68.6644, 87.4955,
58.0691)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFB7
RGB	202, 255, 183
RGB Percent	79%, 100%, 72%
CMY	0.2078, 0.0000, 0.2823
CMYK	0.21, 0.00, 0.28, 0.00
HSL	104°, 100%, 86%
HSV	104°, 28%, 100%
XYZ	68.6644, 87.4955, 58.0691
YIQ	230.9450, -8.4760, -33.6280

Conversions

Conversions Part 2

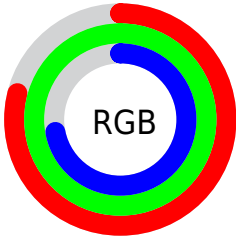
Format	Color
RYB	183, 255, 236
Decimal	13303735
CIELab	94.95, -29.58, 29.10
CIELCh	95, 41.495, 135.471
Yxy	87.4955, 0.3205, 0.4084
Android (android.graphics.Color)	4291493815 (0xFFCAFFB7)
YUV	230.9450, -23.6369, -25.3848
Hunter-Lab	93.5390, -32.6614, 28.6700

Details

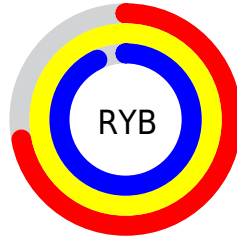
The XYZ color **68.6644, 87.4955, 58.0691** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.5766, 58.9211, 102.3136**, and the grayscale version is **76.0891, 80.0517, 87.1763**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **36.2560, 48.2029, 28.5123** is the 20% darker color. If you saturate the color by 10%, you get **61.4720, 84.0670, 45.1103**, and if you desaturate by 10%, it is **76.9565, 91.4352, 73.5919**.

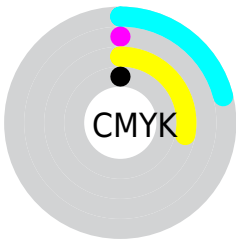
Distribution



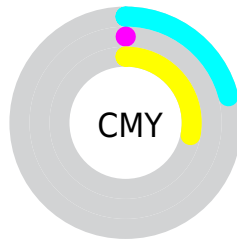
- Red (79%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (93%)



- Cyan (21%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6644, 87.4955, 58.0691 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 68.6644, 87.4955, 58.0691 by changing the saturation by 10% instead.

 68.6644, 87.4955,
58.0691

 68.6644, 87.4955,
58.0691


445.1863,
519.8497, 435.0488

 50.7141, 65.9053,
41.4491


 116.3388,
143.8546, 103.5392

 36.2012, 48.1956,
28.3479


146.7936,
179.3923, 133.2265

 24.7605, 33.9818,
18.3467

182.1473,
220.3480, 168.1066

 16.0265, 22.8796,
11.0272

222.7652,
267.1060, 208.5981

 9.6339, 14.5046,
5.9707

269.0127,
320.0508, 255.1196

 5.2173, 8.4725,
2.7588

321.2552,

 2.4114, 4.3987,

379.5668, 308.0895

0.9728

379.8579,
446.0382, 367.9264

0.8508, 1.8990,
0.0000

0.0000, 0.5478,
0.0000

68.6644, 87.4955,
58.0691

68.6644, 87.4955,
58.0691

61.4720, 84.0670,
45.1103

76.9565, 91.4352,
73.5919

55.3297, 81.1274,
34.5737

86.3919, 95.9061,
91.8021

50.1863, 78.6535,
26.3096

95.0500, 100.0000,
108.9000

45.9853, 76.6197,
20.1505

■ 42.6637, 74.9979,
15.9053

■ 40.1502, 73.7562,
13.3487

■ 38.3542, 72.8545,
12.1701

■ 38.0946, 72.7235,
12.0293

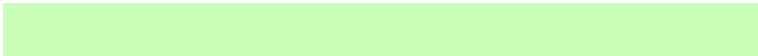
Harmonies

Analogous

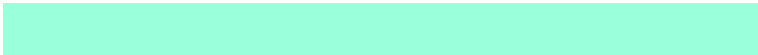
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5201, 87.4955, 47.1381



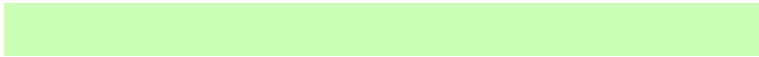
68.6644, 87.4955, 58.0691



63.9174, 87.4955, 80.5451

Triad

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



68.6644, 87.4955, 58.0691



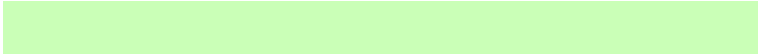
77.8483, 87.4955, 168.7663



105.8184, 87.4955, 79.6689

Complementary

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



68.6644, 87.4955, 58.0691



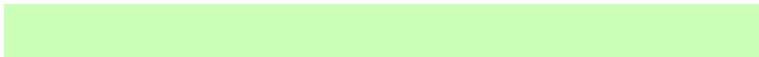
69.5766, 58.9211, 102.3136

Split Complementary

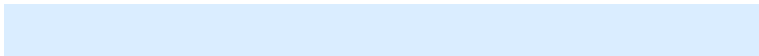
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.9265, 87.4955, 111.6832



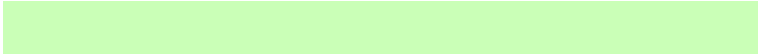
68.6644, 87.4955, 58.0691



89.0709, 87.4955, 168.3808

Square

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



68.6644, 87.4955, 58.0691



68.8859, 87.4955, 146.6519



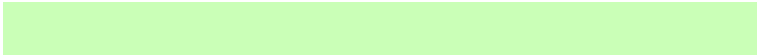
99.5685, 87.4955, 145.6940



99.2853, 87.4955, 57.5530

Rectangle

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



68.6644, 87.4955, 58.0691



63.4205, 87.4955, 101.3012



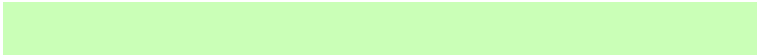
99.5685, 87.4955, 145.6940



106.6257, 87.4955, 89.4787

Sweetspot

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



68.6649, 87.4957, 58.0704



86.6271, 96.0174, 92.2621



79.7256, 84.5552, 56.9199



18.2210, 20.3998, 19.1215



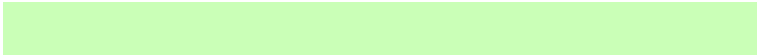
0.0000, 0.0000, 0.0000



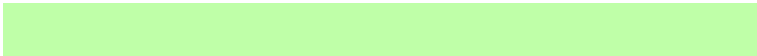
20.3446, 21.4041, 23.3091

Same Dimension

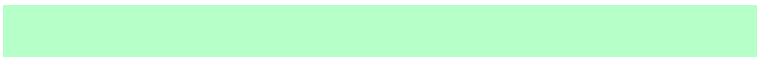
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6649, 87.4957, 58.0704



64.3866, 85.4578, 50.2940



65.6912, 85.7485, 67.6111



18.2210, 20.3998, 19.1215



20.0239, 38.0608, 6.2911



2.0473, 3.7562, 0.6171

Inverse Universe

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



69.5766, 58.9211, 102.3136



65.4264, 52.5124, 101.2953



73.6361, 61.3128, 88.9970



18.2975, 18.0451, 22.7686



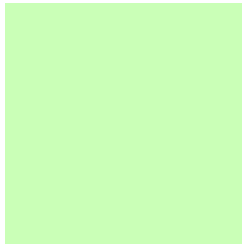
20.3792, 9.4164, 50.1780



2.0873, 0.9699, 4.8905

Previews

White Background



This preview shows how the XYZ color 68.6644, 87.4955, 58.0691 looks on a white background.

Color Contrast Check

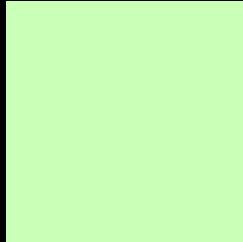
Large Text (above 18pt) WCAG AA × Fail

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 68.6644, 87.4955, 58.0691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

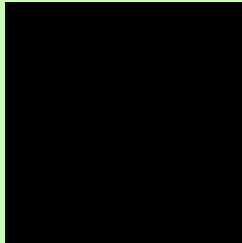
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

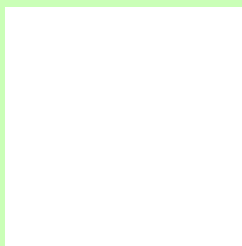
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6644, 87.4955, 58.0691

Background



This preview shows how black text looks on a background with the XYZ color 68.6644, 87.4955, 58.0691.



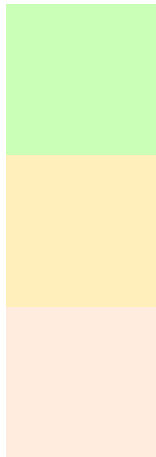
This preview shows how white text looks on a background with the XYZ color 68.6644, 87.4955,

58.0691.

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

68.6644, 87.4955, 58.0691

Protanopia

81.3697, 87.1680, 59.5502

Deuteranopia

84.5547, 86.5786, 82.0669



Tritanopia

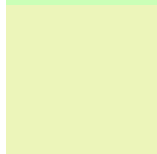
81.1519, 87.3287, 107.1867

Trichromacy



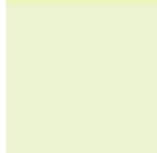
Original Color

68.6644, 87.4955, 58.0691



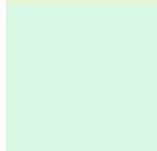
Protanomaly

76.1074, 86.6829, 59.1745



Deuteranomaly

78.0278, 86.4881, 72.2559



Tritanomaly

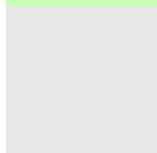
76.0189, 86.9304, 86.9014

Monochromacy



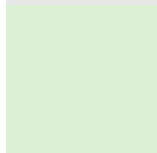
Original Color

68.6644, 87.4955, 58.0691



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.8129, 82.3909, 75.6837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6644, 87.4955, 58.0691 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, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 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, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 68.6644, 87.4955, 58.0691 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, 255, 183) }
```


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

```
.border{ border-color:rgb(202, 255, 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, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6644, 87.4955, 58.0691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 183) }
```

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

```
.background{ background-color: rgb(202,  
255, 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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