

Converting Colors

XYZ(64.9032, 85.5493, 58.2211)

Have a look what the booklet for
XYZ(64.9032, 85.5493, 58.2211)
contains.

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Color

**XYZ(64.9052, 85.5455,
58.4385)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFFB8
RGB	187, 255, 184
RGB Percent	73%, 100%, 72%
CMY	0.2667, 0.0000, 0.2784
CMYK	0.27, 0.00, 0.28, 0.00
HSL	117°, 100%, 86%
HSV	117°, 28%, 100%
XYZ	64.9052, 85.5455, 58.4385
YIQ	226.5740, -17.7370, -36.4970

Conversions

Conversions Part 2

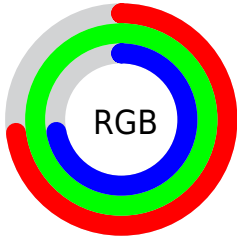
Format	Color
RYB	184, 255, 252
Decimal	12320696
CIELab	94.12, -34.34, 27.32
CIELCh	94, 43.887, 141.493
Yxy	85.5455, 0.3107, 0.4095
Android (android.graphics.Color)	4290510776 (0xFFBBFFB8)
YUV	226.5740, -20.9890, -34.7064
Hunter-Lab	92.4908, -36.5970, 27.2823

Details

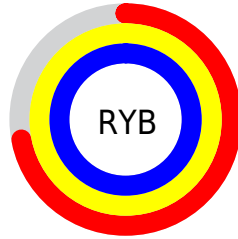
The XYZ color **64.9052, 85.5455, 58.4385** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.3364, 62.1977, 102.6424**, and the grayscale version is **72.8606, 76.6550, 83.4773**.

A 20% lighter version of the original color is **88.7964, 97.0444, 96.4894**, and **33.8065, 46.9324, 28.7498** is the 20% darker color. If you saturate the color by 10%, you get **56.9929, 81.7480, 45.3501**, and if you desaturate by 10%, it is **74.3165, 90.0600, 74.1147**.

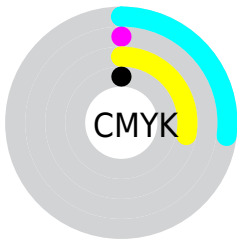
Distribution



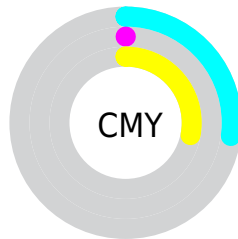
- Red (73%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (99%)



- Cyan (27%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9052, 85.5455, 58.4385 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 64.9052, 85.5455, 58.4385 by changing the saturation by 10% instead.

■ 64.9052, 85.5455,
58.4385

■ 64.9052, 85.5455,
58.4385

432.0018,
513.4314, 436.4617

■ 47.6486, 64.2922,
41.7442

■ 110.9800,
141.1351, 104.0822

■ 33.7588, 46.8874,
28.5770

140.5290,
176.2401, 133.8688

■ 22.8704, 32.9466,
18.5182

174.9061,
216.7313, 168.8565

■ 14.6180, 22.0856,
11.1494

214.4768,
262.9928, 209.4639

■ 8.6363, 13.9198,
6.0520

259.6063,
315.4092, 256.1096

■ 4.5599, 8.0649,
2.8074

310.6601,

■ 2.0235, 4.1365,

374.3648, 309.2121

0.9972

368.0035,
440.2441, 369.1900

■ 0.6471, 1.7502,
0.0000

■ 0.0000, 0.4559,
0.0000

■ 64.9052, 85.5455,
58.4385

■ 64.9052, 85.5455,
58.4385

■ 56.9929, 81.7480,
45.3501

■ 74.3165, 90.0600,
74.1147

■ 50.5007, 78.6300,
34.7066

■ 85.2970, 95.3250,
92.5030

■ 45.3449, 76.1516,
26.3577

95.0500, 100.0000,
108.9000

■ 41.4326, 74.2684,
20.1346

■ 38.6586, 72.9304,
15.8456

■ 36.9005, 72.0794,
13.2644

■ 36.0045, 71.6426,
12.0888

■ 35.8950, 71.5896,
11.9263

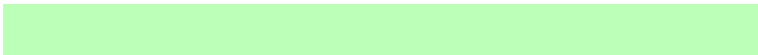
Harmonies

Analogous

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



73.3215, 85.5455, 45.0429



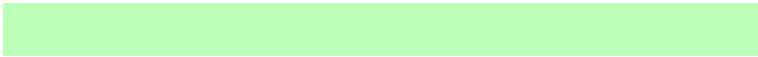
64.9052, 85.5455, 58.4385



60.9800, 85.5455, 83.9126

Triad

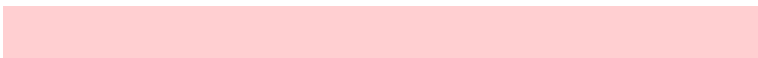
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.9052, 85.5455, 58.4385



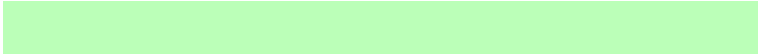
78.0175, 85.5455, 172.7451



104.1515, 85.5455, 71.4257

Complementary

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



64.9052, 85.5455, 58.4385



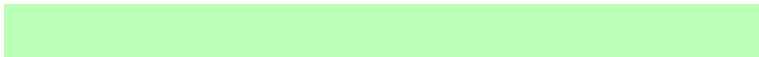
75.3364, 62.1977, 102.6424

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.



105.7165, 85.5455, 103.0299



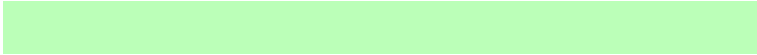
64.9052, 85.5455, 58.4385



89.8553, 85.5455, 167.1000

Square

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



64.9052, 85.5455, 58.4385



68.0589, 85.5455, 153.3860



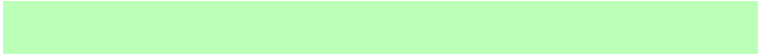
100.2658, 85.5455, 139.4264



96.1747, 85.5455, 51.1898

Rectangle

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



64.9052, 85.5455, 58.4385



61.1486, 85.5455, 106.6170



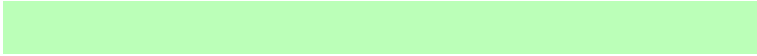
100.2658, 85.5455, 139.4264



105.4735, 85.5455, 80.8577

Sweetspot

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



64.9057, 85.5457, 58.4398



85.1112, 95.2359, 92.1911



84.5299, 93.9967, 59.0367



17.8425, 20.2047, 19.1038



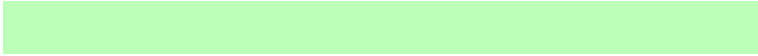
0.0000, 0.0000, 0.0000



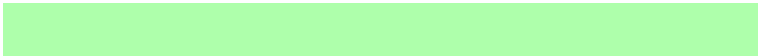
20.3446, 21.4041, 23.3091

Same Dimension

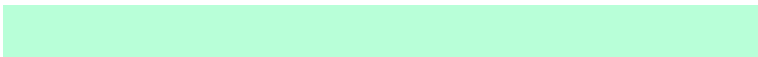
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.9057, 85.5457, 58.4398



60.6421, 83.4997, 51.3740



67.9161, 86.6660, 78.0814



17.8425, 20.2047, 19.1038



18.7865, 37.4229, 6.2332



1.8530, 3.6560, 0.6080

Inverse Universe

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



75.3364, 62.1977, 102.6424



72.5292, 56.8814, 101.7642



71.7072, 60.8725, 77.8183



18.7124, 18.2590, 22.7880



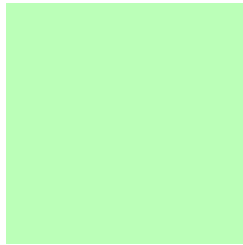
29.0011, 13.8611, 50.5815



2.8463, 1.3613, 4.9260

Previews

White Background



This preview shows how the XYZ color 64.9052, 85.5455, 58.4385 looks on a white background.

Color Contrast Check

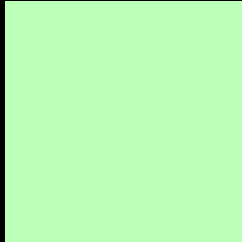
Large Text (above 18pt) WCAG AA × Fail

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 64.9052, 85.5455, 58.4385 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

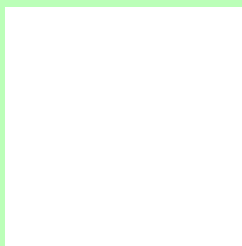
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9052, 85.5455, 58.4385

Background



This preview shows how black text looks on a background with the XYZ color 64.9052, 85.5455, 58.4385.



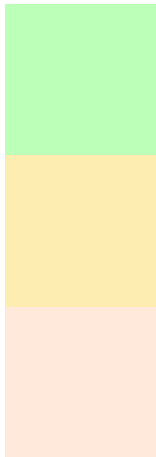
This preview shows how white text looks on a background with the XYZ color 64.9052, 85.5455,

58.4385.

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

64.9052, 85.5455, 58.4385

Protanopia

78.9937, 84.7738, 53.2739

Deuteranopia

83.0338, 84.5998, 78.2827



Tritanopia

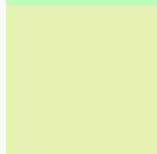
77.8265, 85.1713, 106.9456

Trichromacy



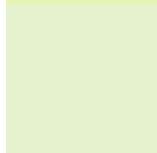
Original Color

64.9052, 85.5455, 58.4385



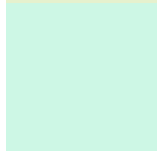
Protanomaly

73.1205, 84.7790, 55.1580



Deuteranomaly

75.2290, 84.1898, 70.6778



Tritanomaly

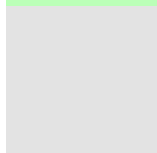
72.5805, 85.1578, 86.7404

Monochromacy



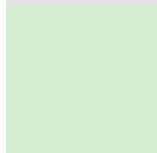
Original Color

64.9052, 85.5455, 58.4385



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.1934, 79.2686, 73.2815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9052, 85.5455, 58.4385 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(187, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 184)  
}
```

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(187, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 184) }
```

Border

The CSS property to change the border of an element to XYZ 64.9052, 85.5455, 58.4385 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(187, 255, 184) }
```


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

```
.border{ border-color:rgb(187, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9052, 85.5455, 58.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 184) }
```

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

```
.background{ background-color: rgb(187,  
255, 184) }
```

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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