

Converting Colors

XYZ(64.1188, 85.1361, 58.5803)

Have a look what the booklet for
XYZ(64.1188, 85.1361, 58.5803)
contains.

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Color

**XYZ(64.1789, 85.1710,
58.4045)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFB8
RGB	184, 255, 184
RGB Percent	72%, 100%, 72%
CMY	0.2784, 0.0000, 0.2784
CMYK	0.28, 0.00, 0.28, 0.00
HSL	120°, 100%, 86%
HSV	120°, 28%, 100%
XYZ	64.1789, 85.1710, 58.4045
YIQ	225.6770, -19.5250, -37.1330

Conversions

Conversions Part 2

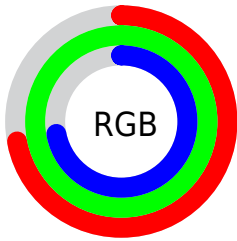
Format	Color
RYB	184, 255, 255
Decimal	12124088
CIELab	93.96, -35.30, 27.08
CIELCh	94, 44.488, 142.507
Yxy	85.1710, 0.3089, 0.4100
Android (android.graphics.Color)	4290314168 (0xFFB8FFB8)
YUV	225.6770, -20.5468, -36.5507
Hunter-Lab	92.2881, -37.3720, 27.0800

Details

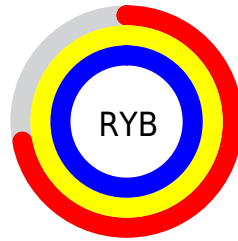
The XYZ color **64.1789, 85.1710, 58.4045** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.4306, 62.7615, 102.6927**, and the grayscale version is **72.2089, 75.9693, 82.7306**.

A 20% lighter version of the original color is **87.7638, 96.5120, 96.4411**, and **33.3441, 46.6940, 28.7282** is the 20% darker color. If you saturate the color by 10%, you get **56.1743, 81.3260, 45.3119**, and if you desaturate by 10%, it is **73.7675, 89.7769, 74.0887**.

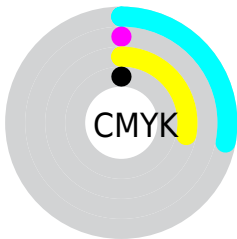
Distribution



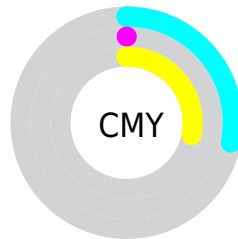
- Red (72%)
- Green (100%)
- Blue (72%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1789, 85.1710, 58.4045 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 64.1789, 85.1710, 58.4045 by changing the saturation by 10% instead.


 64.1789, 85.1710,
58.4045

 64.1789, 85.1710,
58.4045


429.4274,
512.1937, 436.3318

 47.0578, 63.9827,
41.7171


 109.9408,
140.6121, 104.0323

 33.2895, 46.6366,
28.5559


139.3124,
175.6336, 133.8097

 22.5086, 32.7485,
18.5024


173.4982,
216.0350, 168.7875

 14.3498, 21.9339,
11.1382

212.8635,
262.2007, 209.3843

 8.4477, 13.8083,
6.0445

257.7737,
314.5150, 256.0186

 4.4369, 7.9875,
2.8029

308.5942,

 1.9522, 4.0869,

373.3623, 309.1089

0.9949

365.6903,
439.1271, 369.0738

■ 0.6069, 1.7223,
0.0000

■ 0.0000, 0.4380,
0.0000

■ 64.1789, 85.1710,
58.4045

■ 64.1789, 85.1710,
58.4045

■ 56.1743, 81.3260,
45.3119

■ 73.7675, 89.7769,
74.0887

■ 49.6669, 78.2002,
34.6679

■ 85.0170, 95.1807,
92.4893

■ 44.5643, 75.7491,
26.3215

95.0500, 100.0000,
108.9000

■ 40.7629, 73.9232,
20.1036

■ 38.1453, 72.6658,
15.8218

■ 36.5725, 71.9103,
13.2492

■ 35.8590, 71.5676,
12.0820

■ 35.7600, 71.5200,
11.9201

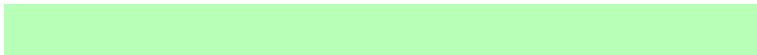
Harmonies

Analogous

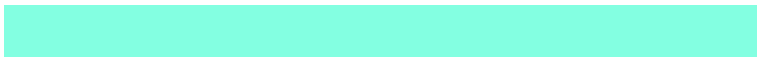
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5360, 85.1710, 44.5533



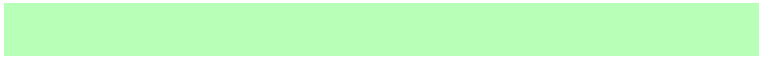
64.1789, 85.1710, 58.4045



60.3890, 85.1710, 84.4808

Triad

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



64.1789, 85.1710, 58.4045



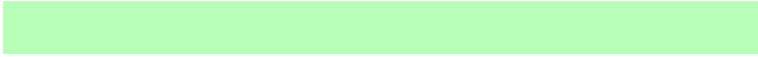
78.0159, 85.1710, 173.6944



103.8915, 85.1710, 69.9230

Complementary

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



64.1789, 85.1710, 58.4045



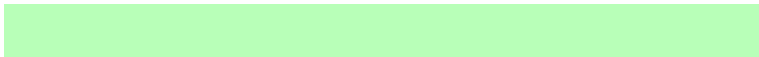
76.4306, 62.7615, 102.6927

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.



105.7228, 85.1710, 101.5138



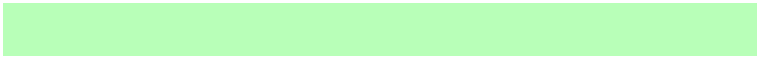
64.1789, 85.1710, 58.4045



89.9961, 85.1710, 167.0717

Square

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



64.1789, 85.1710, 58.4045



67.8548, 85.1710, 154.7806



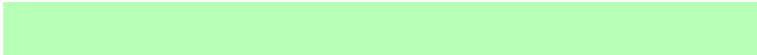
100.4202, 85.1710, 138.4209



95.6357, 85.1710, 49.9825

Rectangle

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



64.1789, 85.1710, 58.4045



60.6743, 85.1710, 107.6058



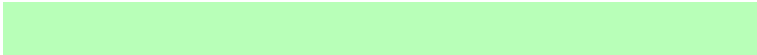
100.4202, 85.1710, 138.4209



105.3096, 85.1710, 79.3047

Sweetspot

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



64.1795, 85.1713, 58.4058



84.8267, 95.0892, 92.1781



85.6519, 96.2407, 59.4101



17.7717, 20.1682, 19.1006



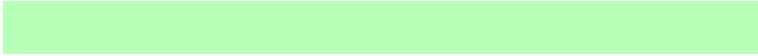
0.0000, 0.0000, 0.0000



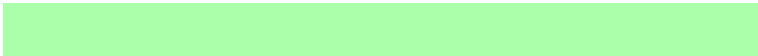
20.3446, 21.4041, 23.3091

Same Dimension

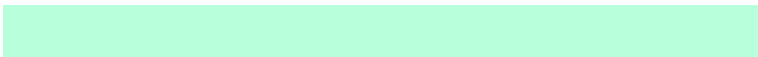
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.1795, 85.1713, 58.4058



59.8584, 83.0957, 51.3380



68.3797, 86.8514, 80.5239



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



76.4306, 62.7615, 102.6927



73.8244, 57.5491, 101.8238



71.2330, 60.6824, 75.3224



18.7927, 18.3004, 22.7917



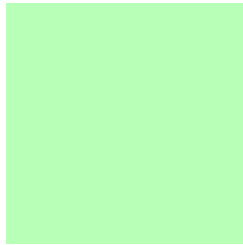
30.9800, 14.8813, 50.6724



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 64.1789, 85.1710, 58.4045 looks on a white background.

Color Contrast Check

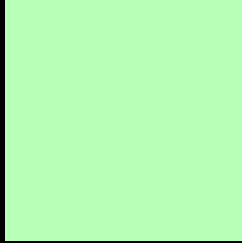
Large Text (above 18pt) WCAG AA × Fail

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 64.1789, 85.1710, 58.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

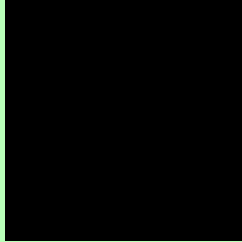
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

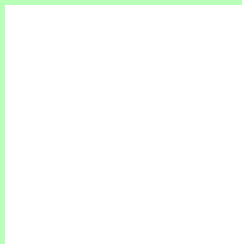
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1789, 85.1710, 58.4045

Background



This preview shows how black text looks on a background with the XYZ color 64.1789, 85.1710, 58.4045.

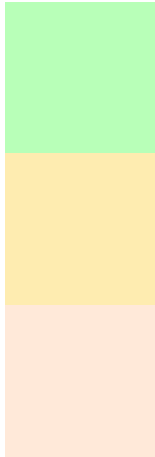


This preview shows how white text looks on a background with the XYZ color 64.1789, 85.1710,

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

64.1789, 85.1710, 58.4045

Protanopia

78.7050, 84.1963, 53.1776

Deuteranopia

82.9033, 84.5476, 77.5955



Tritanopia

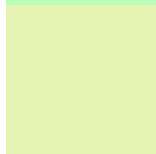
77.2427, 84.8704, 106.9182

Trichromacy



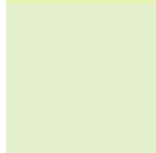
Original Color

64.1789, 85.1710, 58.4045



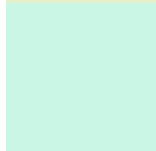
Protanomaly

72.5004, 84.0139, 55.0429



Deuteranomaly

74.7878, 83.9764, 70.0249



Tritanomaly

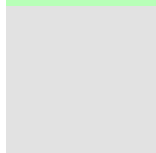
71.7607, 84.7352, 86.7021

Monochromacy



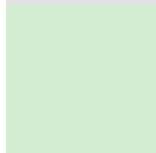
Original Color

64.1789, 85.1710, 58.4045



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.9060, 79.1204, 73.2680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1789, 85.1710, 58.4045 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(184, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 255, 184) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 64.1789, 85.1710, 58.4045 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(184, 255, 184) }
```


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

```
.border{ border-color:rgb(184, 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(184, 255, 184)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 64.1789, 85.1710, 58.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(184,  
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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