

Converting Colors

XYZ(64.9258, 85.5298, 59.6291)

Have a look what the booklet for
XYZ(64.9258, 85.5298, 59.6291)
contains.

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Color

**XYZ(64.8726, 85.5043,
59.5392)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFBA
RGB	186, 255, 186
RGB Percent	73%, 100%, 73%
CMY	0.2706, 0.0000, 0.2706
CMYK	0.27, 0.00, 0.27, 0.00
HSL	120°, 100%, 86%
HSV	120°, 27%, 100%
XYZ	64.8726, 85.5043, 59.5392
YIQ	226.5030, -18.9750, -36.0870

Conversions

Conversions Part 2

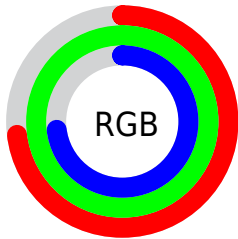
Format	Color
RYB	186, 255, 255
Decimal	12255162
CIELab	94.10, -34.34, 26.28
CIELCh	94, 43.243, 142.574
Yxy	85.5043, 0.3090, 0.4073
Android (android.graphics.Color)	4290445242 (0xFFBAFFBA)
YUV	226.5030, -19.9680, -35.5211
Hunter-Lab	92.4685, -36.5908, 26.5520

Details

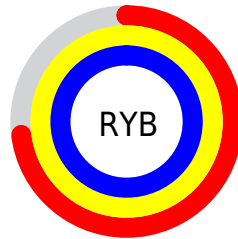
The XYZ color **64.8726, 85.5043, 59.5392** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.8489, 63.5982, 102.8319**, and the grayscale version is **72.8025, 76.5939, 83.4108**.

A 20% lighter version of the original color is **88.7492, 96.9855, 98.0469**, and **33.7190, 46.8794, 29.1012** is the 20% darker color. If you saturate the color by 10%, you get **56.7468, 81.6010, 46.2485**, and if you desaturate by 10%, it is **74.5887, 90.1714, 75.4320**.

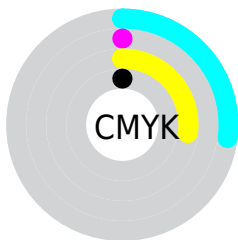
Distribution



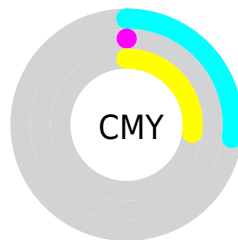
- Red (73%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8726, 85.5043, 59.5392 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 64.8726, 85.5043, 59.5392 by changing the saturation by 10% instead.

64.8726, 85.5043,
59.5392

64.8726, 85.5043,
59.5392

431.8865,
513.2953, 440.6546

47.6221, 64.2582,
42.6245

110.9334,
141.0775, 105.6977

33.7377, 46.8598,
29.2614

140.4744,
176.1734, 135.7786

22.8541, 32.9248,
19.0313

174.8430,
216.6547, 171.0853

14.6059, 22.0689,
11.5159

214.4044,
262.9057, 212.0363

8.6278, 13.9075,
6.2964

259.5242,
315.3109, 259.0502

4.5544, 8.0564,
2.9545

310.5675,

2.0203, 4.1310,

374.2546, 312.5455

1.0714

367.8998,
440.1213, 372.9408

■ 0.6453, 1.7471,
0.0000

■ 0.0000, 0.4539,
0.0000

■ 64.8726, 85.5043,
59.5392

■ 64.8726, 85.5043,
59.5392

■ 56.7468, 81.6010,
46.2485

■ 74.5887, 90.1714,
75.4320

■ 50.1252, 78.4203,
35.4177

■ 85.9717, 95.6392,
94.0508

■ 44.9160, 75.9181,
26.8969

■ 95.0500, 100.0000,
108.9000

■ 41.0166, 74.0450,
20.5187

■ 38.3108, 72.7453,
16.0927

■ 36.6618, 71.9532,
13.3953

■ 35.8950, 71.5849,
12.1409

■ 35.7600, 71.5200,
11.9201

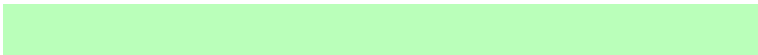
Harmonies

Analogous

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



73.0358, 85.5043, 45.8414



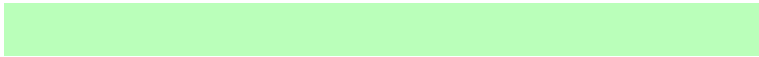
64.8726, 85.5043, 59.5392



61.1703, 85.5043, 85.1167

Triad

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



64.8726, 85.5043, 59.5392



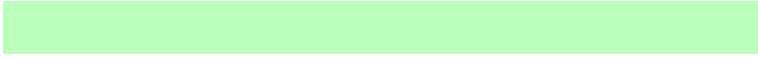
78.4318, 85.5043, 171.5151



103.5573, 85.5043, 70.7489

Complementary

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



64.8726, 85.5043, 59.5392



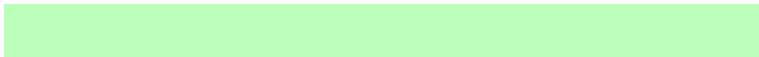
76.8489, 63.5982, 102.8319

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.



105.3492, 85.5043, 101.5668



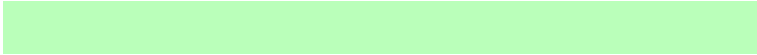
64.8726, 85.5043, 59.5392



90.0993, 85.5043, 165.0735

Square

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



64.8726, 85.5043, 59.5392



68.5019, 85.5043, 153.3184



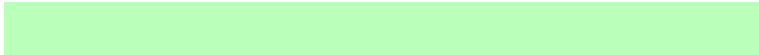
100.2193, 85.5043, 137.3661



95.5319, 85.5043, 51.1622

Rectangle

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



64.8726, 85.5043, 59.5392



61.4575, 85.5043, 107.6495



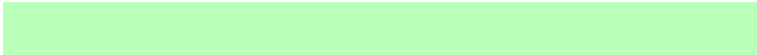
100.2193, 85.5043, 137.3661



104.9377, 85.5043, 79.9237

Sweetspot

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



64.8731, 85.5045, 59.5405



84.8267, 95.0892, 92.1781



85.8630, 96.3252, 60.5221



17.7717, 20.1682, 19.1006



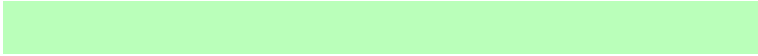
0.0000, 0.0000, 0.0000



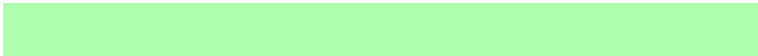
20.3446, 21.4041, 23.3091

Same Dimension

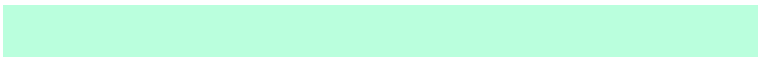
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8731, 85.5045, 59.5405



60.6639, 83.4826, 52.6556



68.9946, 87.1531, 81.2440



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



76.8489, 63.5982, 102.8319



74.3101, 58.5207, 101.9855



71.7838, 61.5721, 76.1594



18.7927, 18.3004, 22.7917



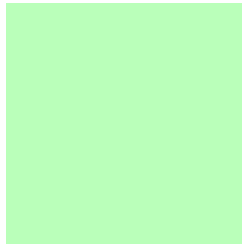
30.9799, 14.8813, 50.6720



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 64.8726, 85.5043, 59.5392 looks on a white background.

Color Contrast Check

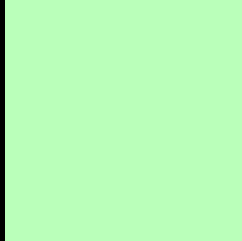
Large Text (above 18pt) WCAG AA × Fail

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 64.8726, 85.5043, 59.5392 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 64.8726, 85.5043, 59.5392

Background



This preview shows how black text looks on a background with the XYZ color 64.8726, 85.5043, 59.5392.



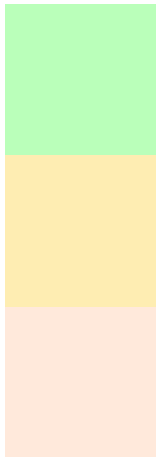
This preview shows how white text looks on a background with the XYZ color 64.8726, 85.5043,

59.5392.

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

64.8726, 85.5043, 59.5392

Protanopia

79.1931, 84.8536, 54.3239

Deuteranopia

83.1651, 84.6523, 78.9741



Tritanopia

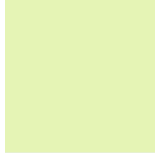
77.5337, 85.0204, 106.9319

Trichromacy



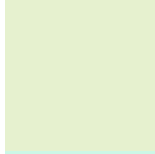
Original Color

64.8726, 85.5043, 59.5392



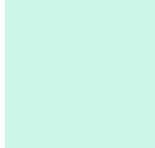
Protanomaly

73.0043, 84.6956, 56.2162



Deuteranomaly

75.3509, 84.2386, 71.3197



Tritanomaly

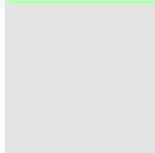
72.4455, 85.0721, 87.4652

Monochromacy



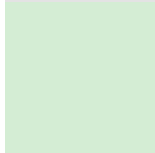
Original Color

64.8726, 85.5043, 59.5392



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.3192, 79.3189, 73.9439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8726, 85.5043, 59.5392 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(186, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 186)  
}
```

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(186, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 64.8726, 85.5043, 59.5392 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(186, 255, 186) }
```


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

```
.border{ border-color:rgb(186, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8726, 85.5043, 59.5392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 186) }
```

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

```
.background{ background-color: rgb(186,  
255, 186) }
```

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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