

Converting Colors

XYZ(73.8093, 104.5949,
58.4210)

Have a look what the booklet for
XYZ(73.8093, 104.5949, 58.4210)
contains.

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Color

**XYZ(64.0456, 85.1735,
55.1840)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFB2
RGB	186, 255, 178
RGB Percent	73%, 100%, 70%
CMY	0.2706, 0.0000, 0.3020
CMYK	0.27, 0.00, 0.30, 0.00
HSL	114°, 100%, 85%
HSV	114°, 30%, 100%
XYZ	64.0456, 85.1735, 55.1840
YIQ	225.5910, -16.4070, -38.5750

Conversions

Conversions Part 2

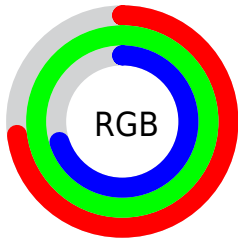
Format	Color
R_{YB}	178, 255, 247
Decimal	12255154
CIE _{Lab}	93.96, -35.61, 30.12
CIE _{LCh}	94, 46.640, 139.768
Yxy	85.1735, 0.3133, 0.4167
Android (android.graphics.Color)	4290445234 (0xFFBAFFB2)
YUV	225.5910, -23.4624, -34.7213
Hunter-Lab	92.2895, -37.6340, 29.1505

Details

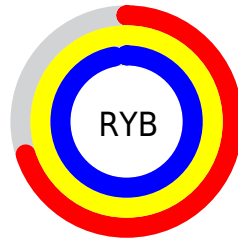
The XYZ color **64.0456, 85.1735, 55.1840** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **72.3291, 58.8361, 102.1521**, and the grayscale version is **72.1655, 75.9237, 82.6809**.

A 20% lighter version of the original color is **87.5734, 96.5152, 91.8556**, and **33.2558, 46.6941, 26.6621** is the 20% darker color. If you saturate the color by 10%, you get **56.6038, 81.6059, 42.6901**, and if you desaturate by 10%, it is **72.8521, 89.3895, 70.2285**.

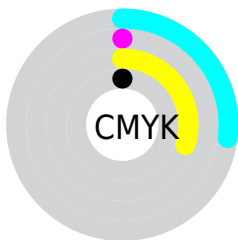
Distribution



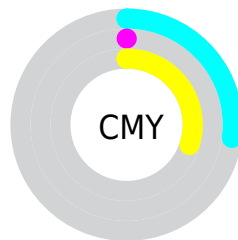
- Red (73%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (97%)



- Cyan (27%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0456, 85.1735, 55.1840 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 64.0456, 85.1735, 55.1840 by changing the saturation by 10% instead.

64.0456, 85.1735,
55.1840

64.0456, 85.1735,
55.1840

428.9539,
512.2020, 423.9106

46.9494, 63.9847,
39.1495

109.7500,
140.6156, 99.2843

33.2035, 46.6383,
26.5673

139.0889,
175.6376, 128.1872

22.4423, 32.7498,
17.0190

173.2394,
216.0396, 162.2167

14.3007, 21.9349,
10.0859

212.5669,
262.2059, 201.7911

8.4132, 13.8090,
5.3496

257.4368,
314.5209, 247.3292

4.4145, 7.9880,
2.3915

308.2143,

1.9392, 4.0873,

373.3690, 299.2495

0.7818

365.2649,
439.1346, 357.9704

■ 0.5995, 1.7225,
0.0000

■ 0.0000, 0.4382,
0.0000

■ 64.0456, 85.1735,
55.1840

■ 64.0456, 85.1735,
55.1840

■ 56.6038, 81.6059,
42.6901

■ 72.8521, 89.3895,
70.2285

■ 50.4566, 78.6538,
32.6019

■ 83.0856, 94.2834,
87.9499

■ 45.5301, 76.2825,
24.7657

94.8061, 99.8835,
108.4709

■ 41.7422, 74.4532,
19.0088

95.0500, 100.0000,
108.9000

■ 39.0002, 73.1226,
15.1333

■ 37.1971, 72.2406,
12.9032

■ 36.1986, 71.7461,
11.9405

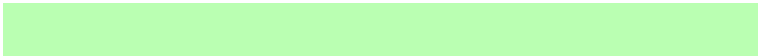
Harmonies

Analogous

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



73.1377, 85.1735, 42.0889



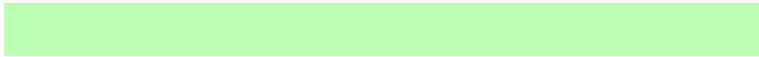
64.0456, 85.1735, 55.1840



59.6397, 85.1735, 81.1050

Triad

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



64.0456, 85.1735, 55.1840



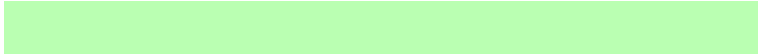
76.7834, 85.1735, 177.7203



105.5929, 85.1735, 71.4627

Complementary

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



64.0456, 85.1735, 55.1840



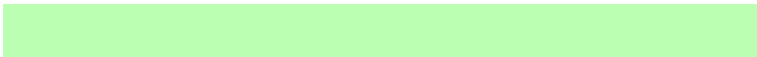
72.3291, 58.8361, 102.1521

Split Complementary

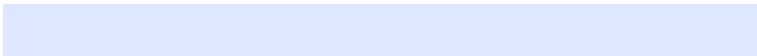
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.8253, 85.1735, 105.4365



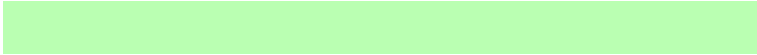
64.0456, 85.1735, 55.1840



89.3100, 85.1735, 173.2151

Square

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



64.0456, 85.1735, 55.1840



66.4791, 85.1735, 155.4224



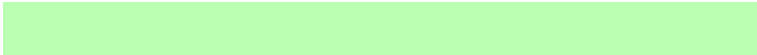
100.6056, 85.1735, 144.3439



97.3929, 85.1735, 49.6850

Rectangle

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



64.0456, 85.1735, 55.1840



59.6123, 85.1735, 104.8437



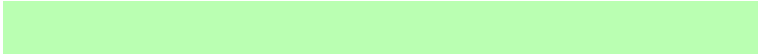
100.6056, 85.1735, 144.3439



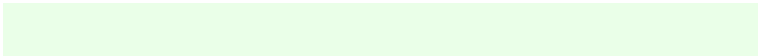
106.8657, 85.1735, 81.6046

Sweetspot

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



64.0461, 85.1737, 55.1853



84.4070, 94.9150, 90.2529



82.2370, 90.3963, 55.2346



17.7229, 20.1514, 18.7189



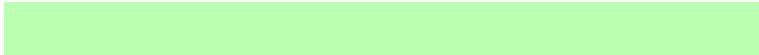
0.0000, 0.0000, 0.0000



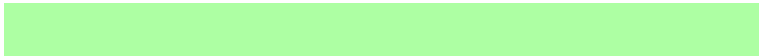
20.3446, 21.4041, 23.3091

Same Dimension

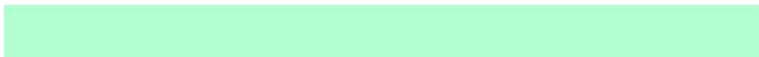
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0461, 85.1737, 55.1853



59.5641, 83.0257, 47.6306



65.4466, 85.5156, 72.4209



17.9466, 20.2584, 19.1087



18.9712, 37.5181, 6.2418



1.9022, 3.6814, 0.6103

Inverse Universe

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



72.3291, 58.8361, 102.1521



69.0009, 52.9814, 101.1974



70.8176, 58.5644, 79.1526



18.5958, 18.1989, 22.7826



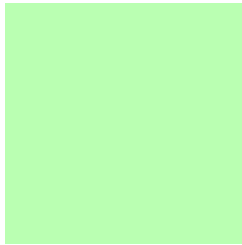
26.3095, 12.4735, 50.4556



2.6129, 1.2409, 4.9151

Previews

White Background



This preview shows how the XYZ color 64.0456, 85.1735, 55.1840 looks on a white background.

Color Contrast Check

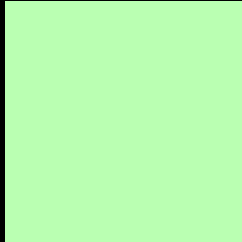
Large Text (above 18pt) WCAG AA × Fail

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 64.0456, 85.1735, 55.1840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

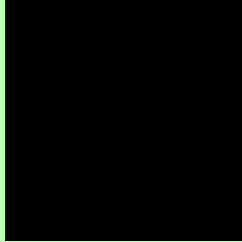
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

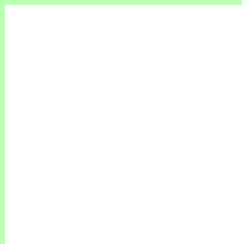
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0456, 85.1735, 55.1840

Background



This preview shows how black text looks on a background with the XYZ color 64.0456, 85.1735, 55.1840.

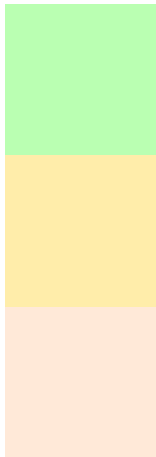


This preview shows how white text looks on a background with the XYZ color 64.0456, 85.1735,

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

64.0456, 85.1735, 55.1840

Protanopia

78.7799, 84.7307, 50.2327

Deuteranopia

82.7736, 84.4957, 76.9124



Tritanopia

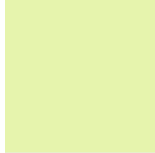
77.5337, 85.0204, 106.9319

Trichromacy



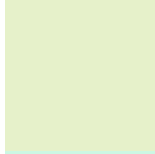
Original Color

64.0456, 85.1735, 55.1840



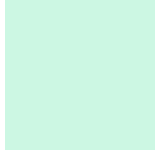
Protanomaly

72.5266, 84.5415, 52.0307



Deuteranomaly

74.7491, 83.9979, 68.1506



Tritanomaly

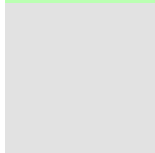
72.0277, 84.9049, 85.2651

Monochromacy



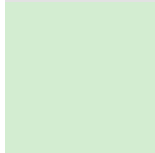
Original Color

64.0456, 85.1735, 55.1840



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.6568, 79.0207, 71.9555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0456, 85.1735, 55.1840 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 64.0456, 85.1735, 55.1840 is called "border". The border property can be set on classes, ids or directly on the HTML element.

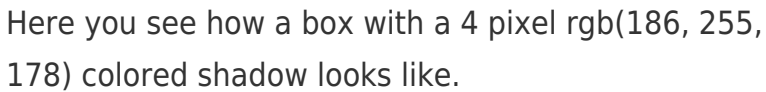
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 255, 178) }
```


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

```
.border{ border-color:rgb(186, 255, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 255, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 255, 178); box-shadow:4px 4px 4px 4px rgb(186, 255, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0456, 85.1735, 55.1840 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, 178) }
```

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

```
.background{ background-color: rgb(186,  
255, 178) }
```

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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