

Converting Colors

XYZ(64.2894, 85.2991, 55.1955)

Have a look what the booklet for
XYZ(64.2894, 85.2991, 55.1955)
contains.

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Color

**XYZ(64.2894, 85.2991,
55.1955)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | BBFFB2 |
| RGB | 187, 255, 178 |
| RGB Percent | 73%, 100%, 70% |
| CMY | 0.2667, 0.0000, 0.3020 |
| CMYK | 0.27, 0.00, 0.30, 0.00 |
| HSL | 113°, 100%, 85% |
| HSV | 113°, 30%, 100% |
| XYZ | 64.2894, 85.2991, 55.1955 |
| YIQ | 225.8900, -15.8110, -38.3630 |

Conversions

Conversions Part 2

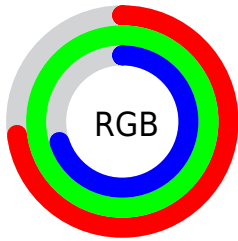
| Format | Color |
|-------------------------------------|--|
| RYB | 178, 255, 246 |
| Decimal | 12320690 |
| CIELab | 94.01, -35.28, 30.21 |
| CIELCh | 94, 46.448, 139.434 |
| Yxy | 85.2991, 0.3139, 0.4165 |
| Android (android.graphics.Color) | 4290510770 (0xFFBBFFB2) |
| YUV | 225.8900, -23.6098, -34.1065 |
| Hunter-Lab | 92.3575, -37.3731, 29.2169 |

Details

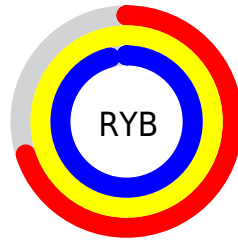
The XYZ color **64.2894, 85.2991, 55.1955** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **71.9774, 58.6549, 102.1356**, and the grayscale version is **72.3823, 76.1518, 82.9293**.

A 20% lighter version of the original color is **87.9195, 96.6936, 91.8718**, and **33.4115, 46.7744, 26.6694** is the 20% darker color. If you saturate the color by 10%, you get **56.8781, 81.7473, 42.7031**, and if you desaturate by 10%, it is **73.0417, 89.4872, 70.2375**.

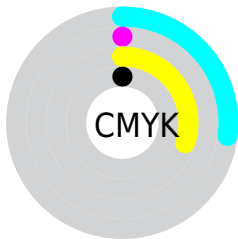
Distribution



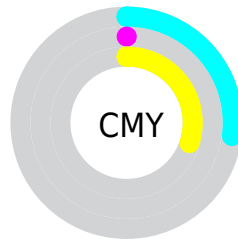
- Red (73%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (96%)



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





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2894, 85.2991, 55.1955 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 64.2894, 85.2991, 55.1955 by changing the saturation by 10% instead.


 64.2894, 85.2991,
55.1955

 64.2894, 85.2991,
55.1955


429.8196,
512.6173, 423.9554

 47.1477, 64.0885,
39.1586


 110.0990,
140.7910, 99.3014

 33.3608, 46.7224,
26.5744


139.4976,
175.8411, 128.2074

 22.5636, 32.8163,
17.0242

173.7126,
216.2732, 162.2402

 14.3905, 21.9857,
10.0896

213.1092,
262.4717, 201.8184

 8.4763, 13.8464,
5.3520

258.0528,
314.8209, 247.3605

 4.4555, 8.0139,
2.3929

308.9089,

 1.9629, 4.1039,

373.7054, 299.2850

0.7826

366.0427,
439.5093, 358.0104

■ 0.6130, 1.7318,
0.0000

■ 0.0000, 0.4441,
0.0000

■ 64.2894, 85.2991,
55.1955

■ 64.2894, 85.2991,
55.1955

■ 56.8781, 81.7473,
42.7031

■ 73.0417, 89.4872,
70.2375

■ 50.7396, 78.7997,
32.6152

■ 83.1952, 94.3399,
87.9552

■ 45.8022, 76.4227,
24.7785

94.8086, 99.8848,
108.4712

■ 41.9860, 74.5789,
19.0202

95.0500, 100.0000,
108.9000

■ 39.2017, 73.2265,
15.1428

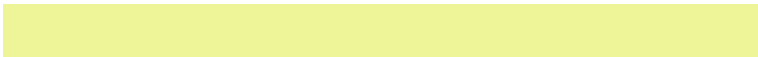
■ 37.3456, 72.3171,
12.9101

■ 36.2896, 71.7930,
11.9448

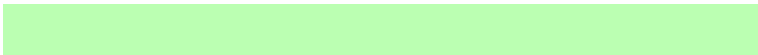
Harmonies

Analogous

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



73.4030, 85.2991, 42.2480



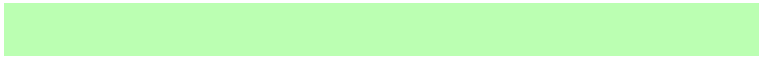
64.2894, 85.2991, 55.1955



59.8369, 85.2991, 80.9182

Triad

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



64.2894, 85.2991, 55.1955



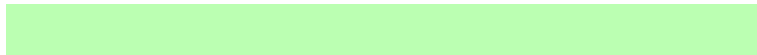
76.7836, 85.2991, 177.3917



105.6801, 85.2991, 71.9741

Complementary

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



64.2894, 85.2991, 55.1955



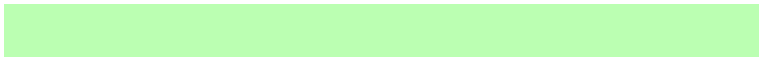
71.9774, 58.6549, 102.1356

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.



106.8219, 85.2991, 105.9578



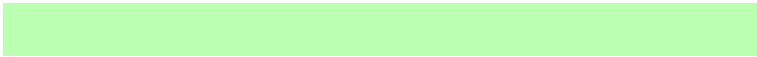
64.2894, 85.2991, 55.1955



89.2621, 85.2991, 173.2215

Square

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



64.2894, 85.2991, 55.1955



66.5468, 85.2991, 154.9476



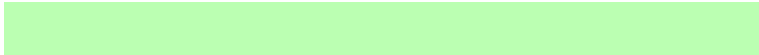
100.5524, 85.2991, 144.6895



97.5755, 85.2991, 50.0886

Rectangle

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



64.2894, 85.2991, 55.1955



59.7701, 85.2991, 104.5147



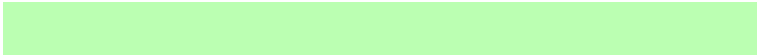
100.5524, 85.2991, 144.6895



106.9201, 85.2991, 82.1355

Sweetspot

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



64.2899, 85.2994, 55.1968



84.5052, 94.9656, 90.2575



81.8480, 89.6182, 55.1050



17.7468, 20.1638, 18.7200



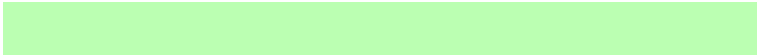
0.0000, 0.0000, 0.0000



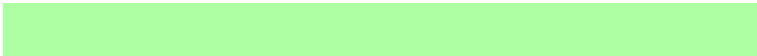
20.3446, 21.4041, 23.3091

Same Dimension

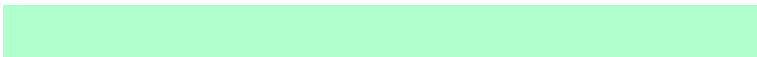
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2899, 85.2994, 55.1968



59.8284, 83.1620, 47.6429



65.2898, 85.4529, 71.5952



17.9687, 20.2698, 19.1097



19.0240, 37.5453, 6.2443



1.9126, 3.6867, 0.6108

Inverse Universe

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



71.9774, 58.6549, 102.1356



68.5852, 52.7672, 101.1780



70.9940, 58.6350, 80.0809



18.5714, 18.1863, 22.7814



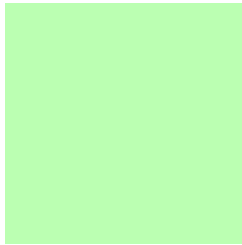
25.7720, 12.1964, 50.4304



2.5660, 1.2167, 4.9129

Previews

White Background



This preview shows how the XYZ color 64.2894, 85.2991, 55.1955 looks on a white background.

Color Contrast Check

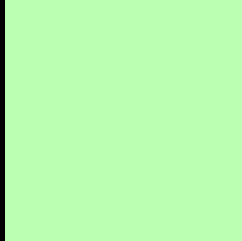
Large Text (above 18pt) WCAG AA × Fail

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 64.2894, 85.2991, 55.1955 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

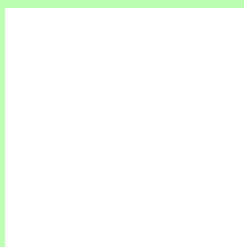
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2894, 85.2991, 55.1955

Background



This preview shows how black text looks on a background with the XYZ color 64.2894, 85.2991, 55.1955.

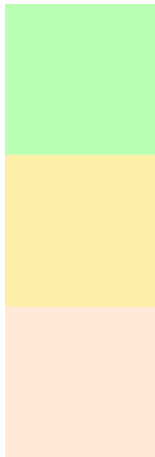


This preview shows how white text looks on a background with the XYZ color 64.2894, 85.2991,

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

64.2894, 85.2991, 55.1955

Protanopia

78.7799, 84.7307, 50.2327

Deuteranopia

82.9033, 84.5476, 77.5955



Tritanopia

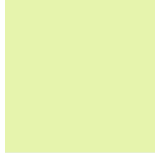
77.5337, 85.0204, 106.9319

Trichromacy



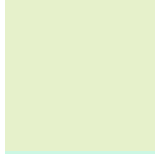
Original Color

64.2894, 85.2991, 55.1955



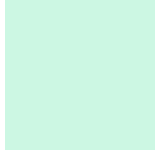
Protanomaly

72.5266, 84.5415, 52.0307



Deuteranomaly

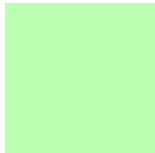
74.8679, 84.0454, 68.7763



Tritanomaly

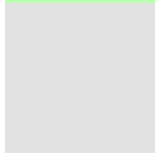
72.0277, 84.9049, 85.2651

Monochromacy



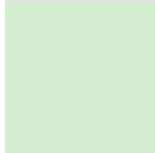
Original Color

64.2894, 85.2991, 55.1955



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.9442, 79.1689, 71.9690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2894, 85.2991, 55.1955 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 64.2894, 85.2991, 55.1955 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, 178) }
```


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

```
.border{ border-color:rgb(187, 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(187, 255, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2894, 85.2991, 55.1955 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, 178) }
```

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

```
.background{ background-color: rgb(187,  
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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