

Converting Colors

XYZ(65.6066, 86.0017, 54.1956)

Have a look what the booklet for
XYZ(65.6066, 86.0017, 54.1956)
contains.

XYZ(65.5888, 85.9920, 54.2155)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.5888, 85.9920,
54.2155)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FFB0
RGB	193, 255, 176
RGB Percent	76%, 100%, 69%
CMY	0.2431, 0.0000, 0.3098
CMYK	0.24, 0.00, 0.31, 0.00
HSL	107°, 100%, 85%
HSV	107°, 31%, 100%
XYZ	65.5888, 85.9920, 54.2155
YIQ	227.4560, -11.5930, -37.7130

Conversions

Conversions Part 2

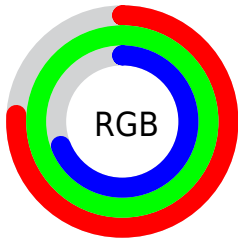
Format	Color
RYB	176, 255, 238
Decimal	12713904
CIELab	94.31, -33.63, 31.67
CIELCh	94, 46.191, 136.719
Yxy	85.9920, 0.3187, 0.4179
Android (android.graphics.Color)	4290903984 (0xFFC1FFB0)
YUV	227.4560, -25.3678, -30.2179
Hunter-Lab	92.7319, -36.0286, 30.2485

Details

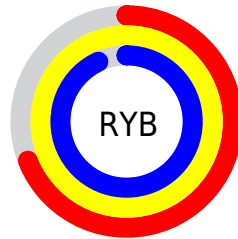
The XYZ color **65.5888, 85.9920, 54.2155** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **68.8362, 56.4490, 101.8754**, and the grayscale version is **73.5305, 77.3598, 84.2448**.

A 20% lighter version of the original color is **90.1091, 97.8554, 90.4827**, and **34.2505, 47.2215, 26.0484** is the 20% darker color. If you saturate the color by 10%, you get **58.5365, 82.6211, 41.9290**, and if you desaturate by 10%, it is **73.8065, 89.9090, 69.0329**.

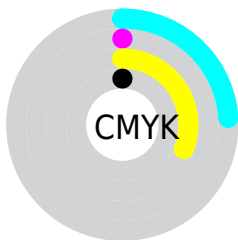
Distribution



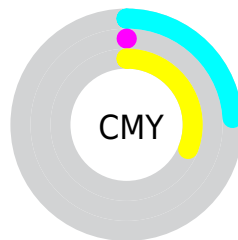
- Red (76%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (93%)



- Cyan (24%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5888, 85.9920, 54.2155 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 65.5888, 85.9920, 54.2155 by changing the saturation by 10% instead.

 65.5888, 85.9920,
54.2155

 65.5888, 85.9920,
54.2155


434.4167,
514.9048, 420.1291

 48.2051, 64.6614,
38.3796


 111.9570,
141.7583, 97.8502

 34.2013, 47.1865,
25.9733


141.6722,
176.9628, 126.4861

 23.2119, 33.1831,
16.5781


176.2286,
217.5607, 160.2257

 14.8716, 22.2668,
9.7754

215.9916,
263.9363, 199.4876

 8.8151, 14.0531,
5.1466

261.3266,
316.4742, 244.6904

 4.6769, 8.1576,
2.2733

312.5989,

 2.0918, 4.1959,

375.5586, 296.2525

0.7162

370.1738,
441.5740, 354.5926

■ 0.6847, 1.7838,
0.0000

■ 0.0000, 0.4770,
0.0000

■ 65.5888, 85.9920,
54.2155

■ 65.5888, 85.9920,
54.2155

■ 58.5365, 82.6211,
41.9290

■ 73.8065, 89.9090,
69.0329

■ 52.5940, 79.7706,
32.0281

■ 83.2385, 94.3944,
86.5076

■ 47.7031, 77.4140,
24.3589

■ 93.9330, 99.4703,
106.7624

■ 43.7997, 75.5218,
18.7477

■ 95.0500, 100.0000,
108.9000

■ 40.8117, 74.0614,
14.9953

■ 38.6565, 72.9954,
12.8628

■ 37.3285, 72.3286,
11.9934

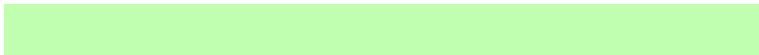
Harmonies

Analogous

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



75.0698, 85.9920, 42.3130



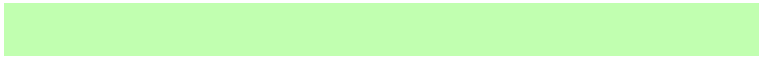
65.5888, 85.9920, 54.2155



60.6721, 85.9920, 78.8168

Triad

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



65.5888, 85.9920, 54.2155



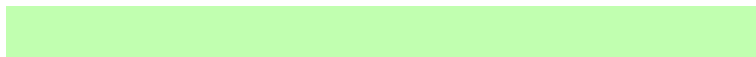
76.3818, 85.9920, 176.9583



106.7351, 85.9920, 75.3441

Complementary

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



65.5888, 85.9920, 54.2155



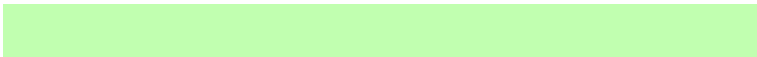
68.8362, 56.4490, 101.8754

Split Complementary

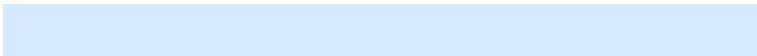
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.1777, 85.9920, 110.1933



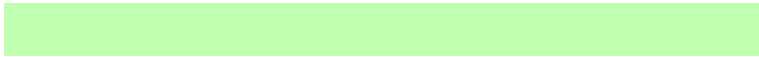
65.5888, 85.9920, 54.2155



88.7789, 85.9920, 175.3438

Square

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



65.5888, 85.9920, 54.2155



66.4654, 85.9920, 152.5946



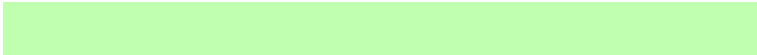
100.3298, 85.9920, 148.6211



99.1756, 85.9920, 52.2295

Rectangle

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



65.5888, 85.9920, 54.2155



60.2847, 85.9920, 101.8417



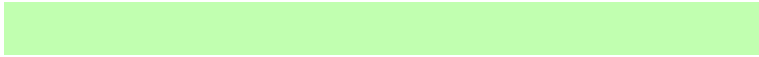
100.3298, 85.9920, 148.6211



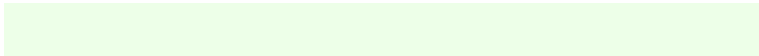
107.7459, 85.9920, 85.8733

Sweetspot

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



65.5893, 85.9923, 54.2168



85.2538, 95.3516, 90.2925



79.6174, 85.4762, 53.3778



17.9297, 20.2581, 18.7286



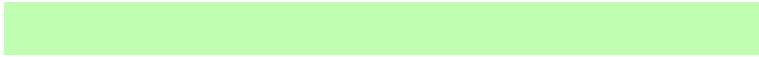
0.0000, 0.0000, 0.0000



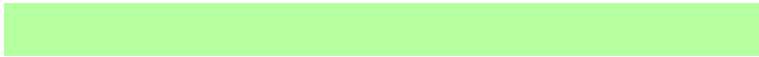
20.3446, 21.4041, 23.3091

Same Dimension

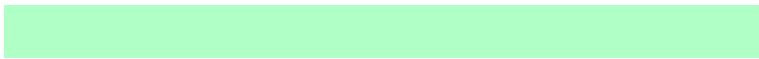
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.5893, 85.9923, 54.2168



61.2070, 83.8989, 46.5248



63.9026, 84.8454, 66.6680



18.1369, 20.3565, 19.1176



19.6059, 37.8453, 6.2715



1.9961, 3.7298, 0.6147

Inverse Universe

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



68.8362, 56.4490, 101.8754



64.8951, 50.1984, 100.8766



71.4192, 58.1730, 84.2688



18.3876, 18.0916, 22.7728



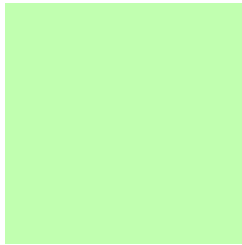
22.0270, 10.2658, 50.2551



2.2353, 1.0463, 4.8974

Previews

White Background



This preview shows how the XYZ color 65.5888, 85.9920, 54.2155 looks on a white background.

Color Contrast Check

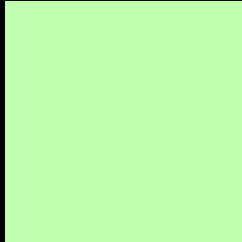
Large Text (above 18pt) WCAG AA × Fail

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 65.5888, 85.9920, 54.2155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

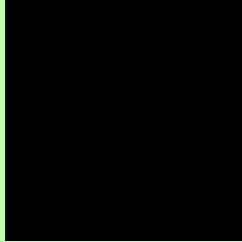
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

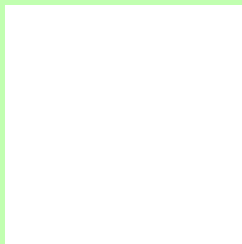
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.5888, 85.9920, 54.2155

Background



This preview shows how black text looks on a background with the XYZ color 65.5888, 85.9920, 54.2155.

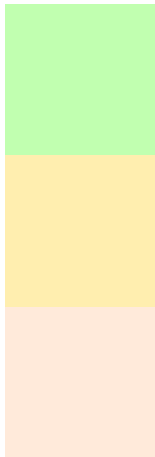


This preview shows how white text looks on a background with the XYZ color 65.5888, 85.9920,

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

65.5888, 85.9920, 54.2155

Protanopia

79.5524, 85.5042, 52.8685

Deuteranopia

83.3177, 85.1676, 78.3773



Tritanopia

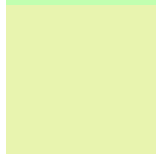
78.7156, 85.6297, 106.9872

Trichromacy



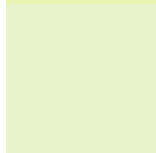
Original Color

65.5888, 85.9920, 54.2155



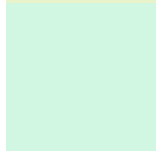
Protanomaly

73.3673, 84.9523, 53.0880



Deuteranomaly

75.8103, 84.9719, 68.9055



Tritanomaly

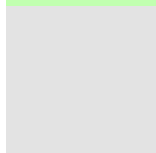
73.2827, 85.5678, 84.6053

Monochromacy



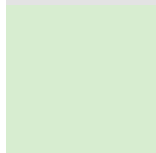
Original Color

65.5888, 85.9920, 54.2155



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.6937, 79.5695, 71.3597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5888, 85.9920, 54.2155 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(193, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 176)  
}
```

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(193, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 65.5888, 85.9920, 54.2155 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(193, 255, 176) }
```


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

```
.border{ border-color:rgb(193, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5888, 85.9920, 54.2155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 176) }
```

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

```
.background{ background-color: rgb(193,  
255, 176) }
```

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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