

Converting Colors

XYZ(68.5875, 87.5114, 55.5549)

Have a look what the booklet for
XYZ(68.5875, 87.5114, 55.5549)
contains.

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Color

**XYZ(68.4245, 87.4309,
55.3890)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFFB2
RGB	203, 255, 178
RGB Percent	80%, 100%, 70%
CMY	0.2039, 0.0000, 0.3020
CMYK	0.20, 0.00, 0.30, 0.00
HSL	101°, 100%, 85%
HSV	101°, 30%, 100%
XYZ	68.4245, 87.4309, 55.3890
YIQ	230.6740, -6.2750, -34.9710

Conversions

Conversions Part 2

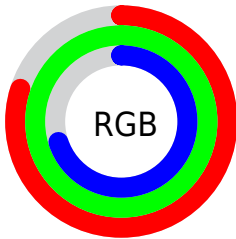
Format	Color
RYB	178, 255, 230
Decimal	13369266
CIELab	94.92, -29.99, 31.59
CIELCh	95, 43.554, 133.511
Yxy	87.4309, 0.3239, 0.4139
Android (android.graphics.Color)	4291559346 (0xFFCBBFB2)
YUV	230.6740, -25.9683, -24.2701
Hunter-Lab	93.5045, -33.0105, 30.3317

Details

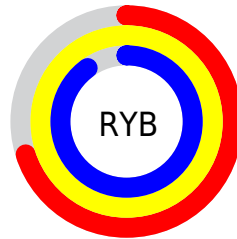
The XYZ color **68.4245, 87.4309, 55.3890** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66.6046, 55.8851, 101.8842**, and the grayscale version is **75.9030, 79.8559, 86.9631**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **36.1085, 48.1647, 26.7956** is the 20% darker color. If you saturate the color by 10%, you get **61.6650, 84.2150, 42.9270**, and if you desaturate by 10%, it is **76.1819, 91.1061, 70.3844**.

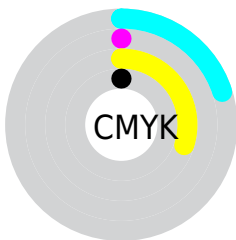
Distribution



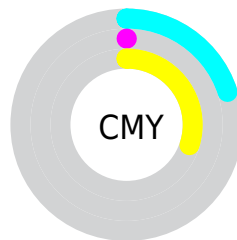
- Red (80%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (90%)



- Cyan (20%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4245, 87.4309, 55.3890 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 68.4245, 87.4309, 55.3890 by changing the saturation by 10% instead.


 68.4245, 87.4309,
55.3890

 68.4245, 87.4309,
55.3890


444.3518,
519.6378, 424.7082

 50.5181, 65.8519,
39.3126


 115.9978,
143.7646, 99.5875

 36.0447, 48.1522,
26.6933


146.3954,
179.2880, 128.5467

 24.6390, 33.9474,
17.1126

181.6874,
220.2284, 162.6372

 15.9356, 22.8532,
10.1520

222.2393,
266.9700, 202.2775

 9.5692, 14.4851,
5.3929

268.4163,
319.8974, 247.8862

 5.1743, 8.4589,
2.4169

320.5838,

 2.3857, 4.3899,

379.3949, 299.8819

0.7956

379.1072,
445.8469, 358.6831

■ 0.8380, 1.8940,
0.0000

■ 0.0000, 0.5448,
0.0000

■ 68.4245, 87.4309,
55.3890

■ 68.4245, 87.4309,
55.3890

■ 61.6650, 84.2150,
42.9270

■ 76.1819, 91.1061,
70.3844

■ 55.8586, 81.4387,
32.8547

■ 84.9763, 95.2581,
88.0385

■ 50.9589, 79.0811,
25.0198

94.8465, 99.9043,
108.4729

■ 46.9147, 77.1197,
19.2509

95.0500, 100.0000,
108.9000

■ 43.6687, 75.5293,
15.3518

■ 41.1551, 74.2810,
13.0884

■ 39.3087, 73.3494,
12.0861

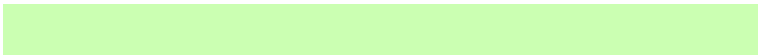
Harmonies

Analogous

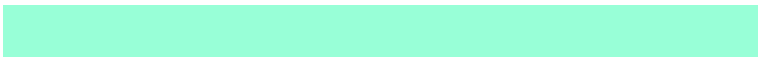
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9066, 87.4309, 44.9266



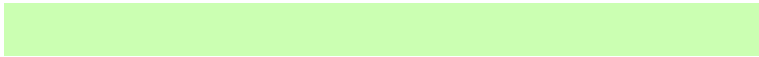
68.4245, 87.4309, 55.3890



63.1707, 87.4309, 77.9045

Triad

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



68.4245, 87.4309, 55.3890



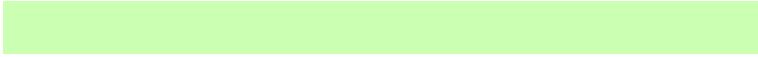
76.8198, 87.4309, 172.1746



107.1961, 87.4309, 80.7956

Complementary

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



68.4245, 87.4309, 55.3890



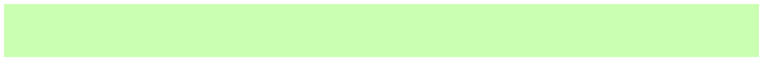
66.6046, 55.8851, 101.8842

Split Complementary

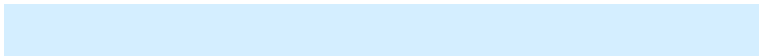
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.8346, 87.4309, 114.8768



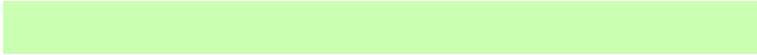
68.4245, 87.4309, 55.3890



88.5202, 87.4309, 173.4763

Square

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



68.4245, 87.4309, 55.3890



67.6941, 87.4309, 147.3667



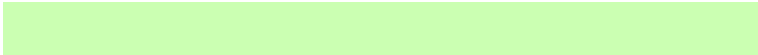
99.7378, 87.4309, 150.5878



100.6831, 87.4309, 57.0713

Rectangle

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



68.4245, 87.4309, 55.3890



62.4312, 87.4309, 99.2367



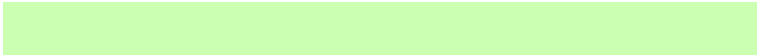
99.7378, 87.4309, 150.5878



107.8919, 87.4309, 91.2692

Sweetspot

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



68.4249, 87.4311, 55.3903



86.0986, 95.7871, 90.3320



77.3880, 80.6982, 53.6183



18.1366, 20.3647, 18.7382



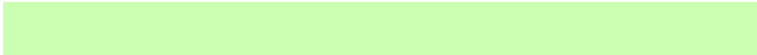
0.0000, 0.0000, 0.0000



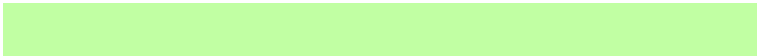
20.3446, 21.4041, 23.3091

Same Dimension

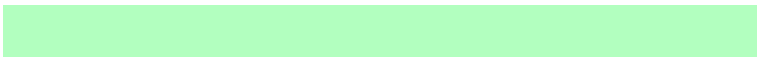
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4249, 87.4311, 55.3903



64.3822, 85.5095, 47.8560



63.5065, 84.7396, 62.2045



18.3268, 20.4544, 19.1265



20.6777, 38.3978, 6.3217



2.1222, 3.7948, 0.6206

Inverse Universe

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



66.6046, 55.8851, 101.8842



62.2952, 49.5245, 100.8836



73.2130, 59.5226, 91.7663



18.1858, 17.9875, 22.7634



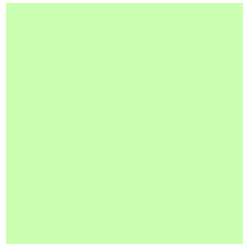
18.5088, 8.4521, 50.0905



1.9168, 0.8821, 4.8825

Previews

White Background



This preview shows how the XYZ color 68.4245, 87.4309, 55.3890 looks on a white background.

Color Contrast Check

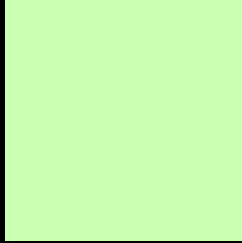
Large Text (above 18pt) WCAG AA × Fail

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 68.4245, 87.4309, 55.3890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

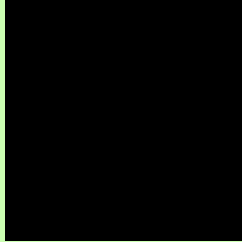
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

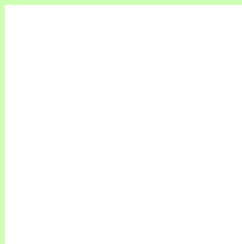
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4245, 87.4309, 55.3890

Background



This preview shows how black text looks on a background with the XYZ color 68.4245, 87.4309, 55.3890.



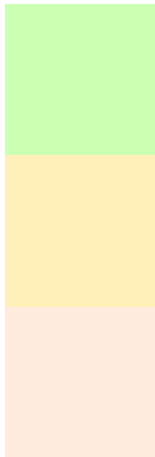
This preview shows how white text looks on a background with the XYZ color 68.4245, 87.4309,

55.3890.

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

68.4245, 87.4309, 55.3890

Protanopia

81.2630, 87.1253, 58.9882

Deuteranopia

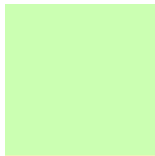
84.4203, 86.5248, 81.3588



Tritanopia

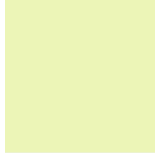
81.1662, 86.8930, 107.1019

Trichromacy



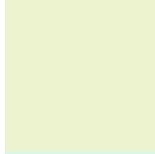
Original Color

68.4245, 87.4309, 55.3890



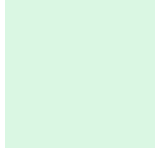
Protanomaly

75.7917, 86.5566, 57.5122



Deuteranomaly

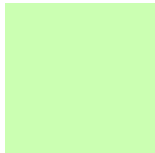
77.7832, 86.3903, 70.9679



Tritanomaly

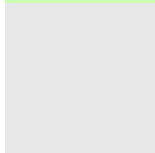
76.0393, 86.9730, 85.4528

Monochromacy



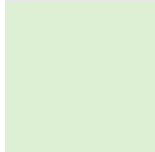
Original Color

68.4245, 87.4309, 55.3890



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.8625, 82.4458, 74.3607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4245, 87.4309, 55.3890 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(203, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 68.4245, 87.4309, 55.3890 is called "border". The border property can be set on classes, ids or directly on the HTML element.

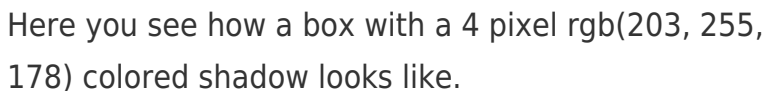
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 255, 178) }
```


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

```
.border{ border-color:rgb(203, 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(203, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 255, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 255, 178); box-shadow:4px 4px 4px 4px rgb(203, 255, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4245, 87.4309, 55.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 178) }
```

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

```
.background{ background-color: rgb(203,  
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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