

Converting Colors

XYZ(67.7147, 87.0591, 55.6225)

Have a look what the booklet for
XYZ(67.7147, 87.0591, 55.6225)
contains.

XYZ(67.7161, 87.0540, 55.8819)	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(67.7161, 87.0540,
55.8819)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FFB3
RGB	200, 255, 179
RGB Percent	78%, 100%, 70%
CMY	0.2157, 0.0000, 0.2980
CMYK	0.22, 0.00, 0.30, 0.00
HSL	103°, 100%, 85%
HSV	103°, 30%, 100%
XYZ	67.7161, 87.0540, 55.8819
YIQ	229.8910, -8.3840, -35.2960

Conversions

Conversions Part 2

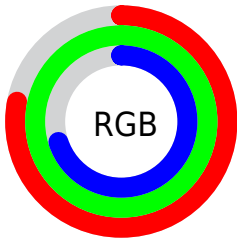
Format	Color
RYB	179, 255, 234
Decimal	13172659
CIELab	94.76, -30.85, 30.84
CIELCh	95, 43.622, 135.010
Yxy	87.0540, 0.3215, 0.4133
Android (android.graphics.Color)	4291362739 (0xFFC8FFB3)
YUV	229.8910, -25.0893, -26.2144
Hunter-Lab	93.3027, -33.7303, 29.8013

Details

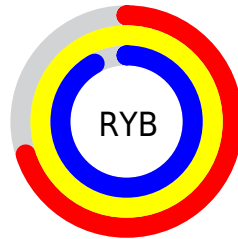
The XYZ color **67.7161, 87.0540, 55.8819** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.1028, 56.9538, 102.0115**, and the grayscale version is **75.3169, 79.2392, 86.2915**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **35.6370, 47.9143, 27.1088** is the 20% darker color. If you saturate the color by 10%, you get **60.7359, 83.7265, 43.3147**, and if you desaturate by 10%, it is **75.7692, 90.8795, 70.9912**.

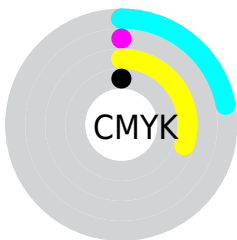
Distribution



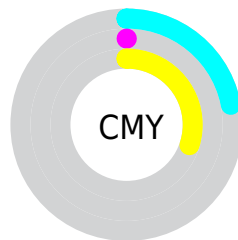
- Red (78%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (92%)



- Cyan (22%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7161, 87.0540, 55.8819 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 67.7161, 87.0540, 55.8819 by changing the saturation by 10% instead.


 67.7161, 87.0540,
55.8819

 67.7161, 87.0540,
55.8819


441.8820,
518.4003, 426.6221

 49.9396, 65.5399,
39.7049


 114.9901,
143.2394, 100.3160

 35.5830, 47.8990,
26.9965


145.2183,
178.6795, 129.4101

 24.2810, 33.7469,
17.3382


180.3277,
219.5304, 163.6470

 15.6680, 22.6992,
10.3114

220.6839,
266.1764, 203.4452

 9.3789, 14.3716,
5.4976

266.6520,
319.0020, 249.2233

 5.0482, 8.3796,
2.4783

318.5975,

 2.3106, 4.3388,

378.3916, 301.3997

0.8286

376.8857,
444.7296, 360.3932

■ 0.8001, 1.8648,
0.0000

■ 0.0000, 0.5271,
0.0000

■ 67.7161, 87.0540,
55.8819

■ 67.7161, 87.0540,
55.8819

■ 60.7359, 83.7265,
43.3147

■ 75.7692, 90.8795,
70.9912

■ 54.7797, 80.8749,
33.1461

■ 84.9381, 95.2222,
88.7677

■ 49.7967, 78.4762,
25.2243

95.0500, 100.0000,
108.9000

■ 45.7310, 76.5055,
19.3784

■ 42.5202, 74.9347,
15.4132

■ 40.0928, 73.7321,
13.0960

■ 38.3482, 72.8540,
12.0555

■ 38.3189, 72.8392,
12.0398

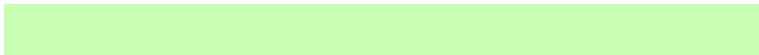
Harmonies

Analogous

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



77.0061, 87.0540, 44.8724



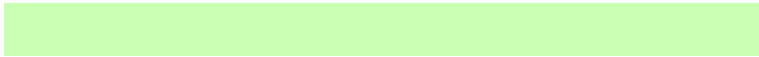
67.7161, 87.0540, 55.8819



62.7104, 87.0540, 78.9596

Triad

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



67.7161, 87.0540, 55.8819



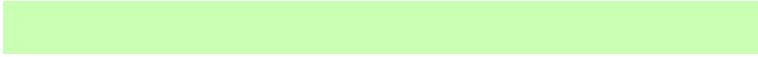
77.0135, 87.0540, 172.3946



106.6389, 87.0540, 78.9399

Complementary

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



67.7161, 87.0540, 55.8819



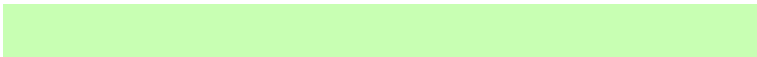
68.1028, 56.9538, 102.0115

Split Complementary

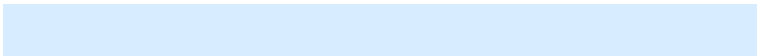
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.6414, 87.0540, 112.5996



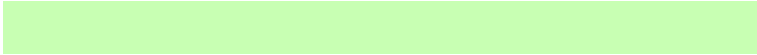
67.7161, 87.0540, 55.8819



88.7563, 87.0540, 172.3857

Square

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



67.7161, 87.0540, 55.8819



67.7211, 87.0540, 148.5462



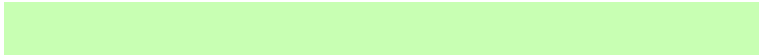
99.8414, 87.0540, 148.5241



99.8349, 87.0540, 55.8704

Rectangle

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



67.7161, 87.0540, 55.8819



62.1426, 87.0540, 100.5736



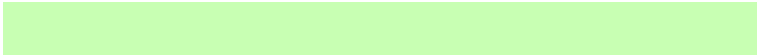
99.8414, 87.0540, 148.5241



107.4548, 87.0540, 89.2267

Sweetspot

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



67.7166, 87.0543, 55.8832



85.7240, 95.5940, 90.3145



78.6483, 83.0576, 54.5356



18.0448, 20.3174, 18.7339



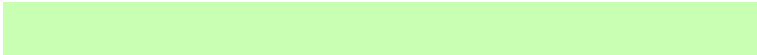
0.0000, 0.0000, 0.0000



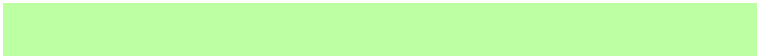
20.3446, 21.4041, 23.3091

Same Dimension

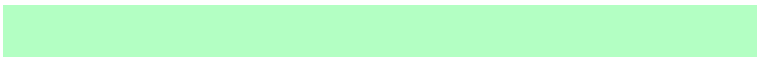
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7166, 87.0543, 55.8832



63.2673, 84.9348, 47.8039



64.2544, 85.0654, 64.9407



18.2426, 20.4110, 19.1226



20.1453, 38.1234, 6.2968



2.0616, 3.7636, 0.6178

Inverse Universe

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



68.1028, 56.9538, 102.0115



63.6989, 50.2482, 100.9493



72.8718, 59.7056, 88.9843



18.2746, 18.0333, 22.7675



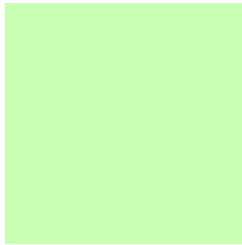
19.9802, 9.2106, 50.1593



2.0511, 0.9513, 4.8888

Previews

White Background



This preview shows how the XYZ color 67.7161, 87.0540, 55.8819 looks on a white background.

Color Contrast Check

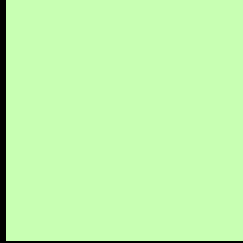
Large Text (above 18pt) WCAG AA × Fail

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 67.7161, 87.0540, 55.8819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

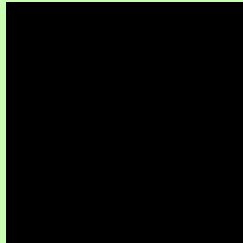
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7161, 87.0540, 55.8819

Background



This preview shows how black text looks on a background with the XYZ color 67.7161, 87.0540, 55.8819.

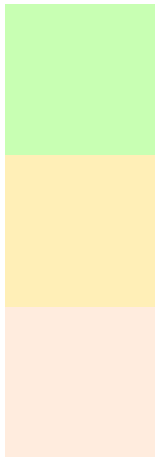


This preview shows how white text looks on a background with the XYZ color 67.7161, 87.0540,

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

67.7161, 87.0540, 55.8819

Protanopia

80.6537, 86.4119, 57.2280

Deuteranopia

84.4203, 86.5248, 81.3588



Tritanopia

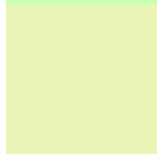
80.2336, 86.4122, 107.0582

Trichromacy



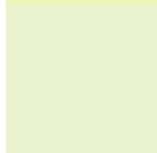
Original Color

67.7161, 87.0540, 55.8819



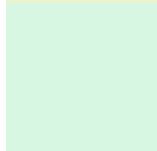
Protanomaly

75.3569, 86.3444, 56.9504



Deuteranomaly

77.4521, 86.2196, 70.9524



Tritanomaly

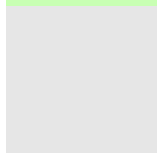
75.1502, 86.5147, 85.4112

Monochromacy



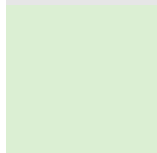
Original Color

67.7161, 87.0540, 55.8819



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.8378, 81.4962, 73.5721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7161, 87.0540, 55.8819 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(200, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 179)  
}
```

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(200, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 67.7161, 87.0540, 55.8819 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(200, 255, 179) }
```


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

```
.border{ border-color:rgb(200, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7161, 87.0540, 55.8819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 179) }
```

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

```
.background{ background-color: rgb(200,  
255, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor