

Converting Colors

XYZ(67.2740, 86.8320, 55.5977)

Have a look what the booklet for
XYZ(67.2740, 86.8320, 55.5977)
contains.

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Color

**XYZ(67.4499, 86.9168,
55.8695)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFB3
RGB	199, 255, 179
RGB Percent	78%, 100%, 70%
CMY	0.2196, 0.0000, 0.2980
CMYK	0.22, 0.00, 0.30, 0.00
HSL	104°, 100%, 85%
HSV	104°, 30%, 100%
XYZ	67.4499, 86.9168, 55.8695
YIQ	229.5920, -8.9800, -35.5080

Conversions

Conversions Part 2

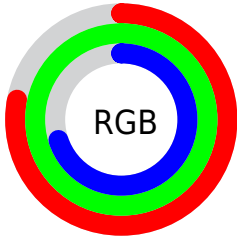
Format	Color
RYB	179, 255, 235
Decimal	13107123
CIELab	94.70, -31.19, 30.75
CIElCh	95, 43.797, 135.402
Yxy	86.9168, 0.3208, 0.4134
Android (android.graphics.Color)	4291297203 (0xFFC7FFB3)
YUV	229.5920, -24.9419, -26.8292
Hunter-Lab	93.2292, -34.0090, 29.7297

Details

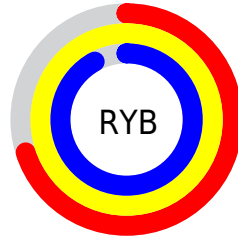
The XYZ color **67.4499, 86.9168, 55.8695** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.4321, 57.1236, 102.0269**, and the grayscale version is **75.0950, 79.0058, 86.0373**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **35.4616, 47.8238, 27.1006** is the 20% darker color. If you saturate the color by 10%, you get **60.4230, 83.5652, 43.3001**, and if you desaturate by 10%, it is **75.5704, 90.7770, 70.9820**.

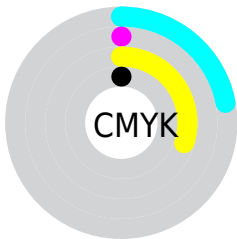
Distribution



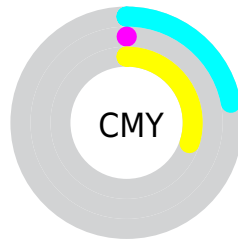
- Red (78%)
- Green (100%)
- Blue (70%)



- 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 67.4499, 86.9168, 55.8695 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 67.4499, 86.9168, 55.8695 by changing the saturation by 10% instead.


 67.4499, 86.9168,
55.8695

 67.4499, 86.9168,
55.8695

440.9519,
517.9494, 426.5740

 49.7224, 65.4264,
39.6950


 114.6111,
143.0482, 100.2976

 35.4097, 47.8069,
26.9889


144.7754,
178.4579, 129.3884

 24.1467, 33.6740,
17.3325

179.8161,
219.2761, 163.6216

 15.5678, 22.6433,
10.3074

220.0985,
265.8873, 203.4158

 9.3077, 14.3303,
5.4950

265.9879,
318.6759, 249.1897

 5.0012, 8.3508,
2.4767

317.8497,

 2.2827, 4.3202,

378.0261, 301.3616

0.8278

376.0492,
444.3225, 360.3502

0.7858, 1.8542,
0.0000

0.0000, 0.5206,
0.0000

67.4499, 86.9168,
55.8695

67.4499, 86.9168,
55.8695

60.4230, 83.5652,
43.3001

75.5704, 90.7770,
70.9820

54.4395, 80.6995,
33.1303

84.8284, 95.1657,
88.7627

49.4473, 78.2961,
25.2080

95.0500, 100.0000,
108.9000

45.3890, 76.3292,
19.3624

■ 42.2005, 74.7699,
15.3982

■ 39.8084, 73.5855,
13.0827

■ 38.1100, 72.7312,
12.0443

■ 38.0818, 72.7169,
12.0287

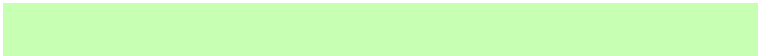
Harmonies

Analogous

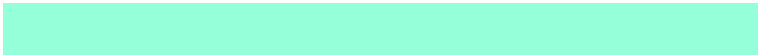
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7164, 86.9168, 44.6997



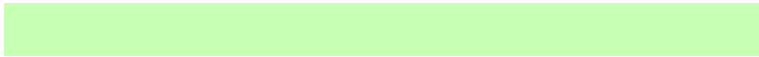
67.4499, 86.9168, 55.8695



62.4959, 86.9168, 79.1494

Triad

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



67.4499, 86.9168, 55.8695



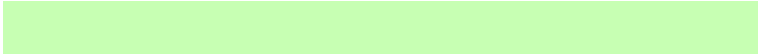
77.0102, 86.9168, 172.7176



106.5404, 86.9168, 78.3682

Complementary

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



67.4499, 86.9168, 55.8695



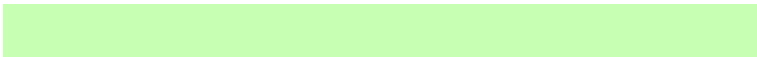
68.4321, 57.1236, 102.0269

Split Complementary

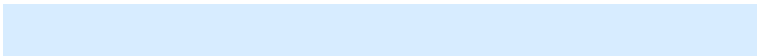
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.6382, 86.9168, 112.0251



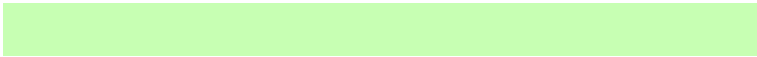
67.4499, 86.9168, 55.8695



88.8018, 86.9168, 172.3645

Square

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



67.4499, 86.9168, 55.8695



67.6472, 86.9168, 149.0180



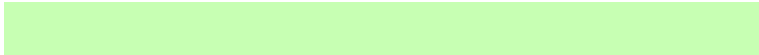
99.8909, 86.9168, 148.1449



99.6350, 86.9168, 55.4159

Rectangle

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



67.4499, 86.9168, 55.8695



61.9716, 86.9168, 100.9042



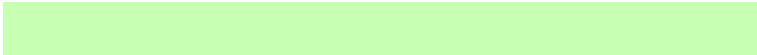
99.8909, 86.9168, 148.1449



107.3908, 86.9168, 88.6360

Sweetspot

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



67.4504, 86.9170, 55.8708



85.6224, 95.5416, 90.3098



79.0092, 83.7792, 54.6559



18.0200, 20.3046, 18.7328



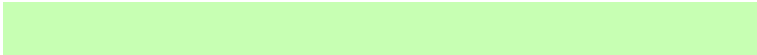
0.0000, 0.0000, 0.0000



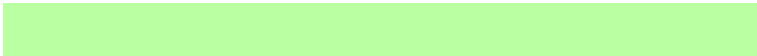
20.3446, 21.4041, 23.3091

Same Dimension

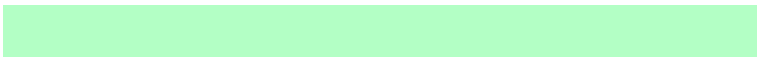
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4504, 86.9170, 55.8708



62.9697, 84.7814, 47.7899



64.3987, 85.1231, 65.7007



18.2197, 20.3992, 19.1215



20.0169, 38.0572, 6.2908



2.0465, 3.7558, 0.6171

Inverse Universe

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



68.4321, 57.1236, 102.0269



64.0871, 50.4483, 100.9675



72.6858, 59.6313, 88.0047



18.2988, 18.0458, 22.7687



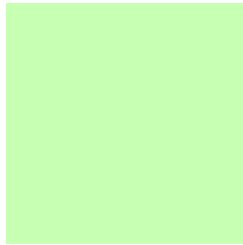
20.4030, 9.4286, 50.1791



2.0894, 0.9711, 4.8906

Previews

White Background



This preview shows how the XYZ color 67.4499, 86.9168, 55.8695 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 67.4499, 86.9168, 55.8695 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 67.4499, 86.9168, 55.8695

Background



This preview shows how black text looks on a background with the XYZ color 67.4499, 86.9168, 55.8695.

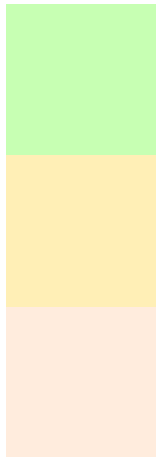


This preview shows how white text looks on a background with the XYZ color 67.4499, 86.9168,

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

67.4499, 86.9168, 55.8695

Protanopia

80.5500, 86.3704, 56.6817

Deuteranopia

84.2866, 86.4714, 80.6549



Tritanopia

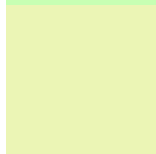
80.2336, 86.4122, 107.0582

Trichromacy



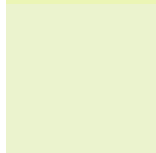
Original Color

67.4499, 86.9168, 55.8695



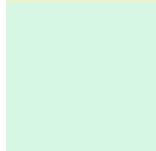
Protanomaly

75.2538, 86.3032, 56.4079



Deuteranomaly

77.4521, 86.2196, 70.9524



Tritanomaly

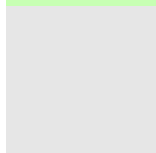
74.8574, 86.3637, 85.3975

Monochromacy



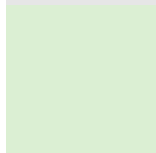
Original Color

67.4499, 86.9168, 55.8695



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 67.4499, 86.9168, 55.8695 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(199, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 67.4499, 86.9168, 55.8695 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(199, 255, 179) }
```


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

```
.border{ border-color:rgb(199, 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(199, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4499, 86.9168, 55.8695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 179) }
```

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

```
.background{ background-color: rgb(199,  
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](#).

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