

Converting Colors

XYZ(68.2870, 87.1429, 65.1886)

Have a look what the booklet for
XYZ(68.2870, 87.1429, 65.1886)
contains.

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Color

**XYZ(68.2295, 87.1076,
65.4419)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FFC4
RGB	195, 255, 196
RGB Percent	76%, 100%, 77%
CMY	0.2353, 0.0000, 0.2314
CMYK	0.24, 0.00, 0.23, 0.00
HSL	121°, 100%, 88%
HSV	121°, 24%, 100%
XYZ	68.2295, 87.1076, 65.4419
YIQ	230.3340, -16.8210, -31.0690

Conversions

Conversions Part 2

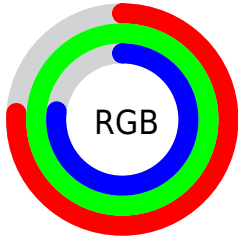
Format	Color
RYB	195, 254, 255
Decimal	12844996
CIELab	94.78, -29.82, 22.22
CIELCh	95, 37.193, 143.307
Yxy	87.1076, 0.3090, 0.3945
Android (android.graphics.Color)	4291035076 (0xFFC3FFC4)
YUV	230.3340, -16.9267, -30.9879
Hunter-Lab	93.3315, -32.8385, 23.7592

Details

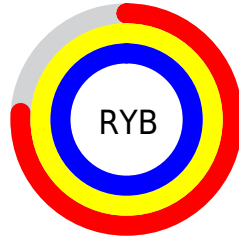
The XYZ color **68.2295, 87.1076, 65.4419** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.6447, 67.4466, 102.6388**, and the grayscale version is **75.5912, 79.5278, 86.6058**.

A 20% lighter version of the original color is **93.6345, 99.3073, 107.1617**, and **35.8918, 47.9166, 32.9483** is the 20% darker color. If you saturate the color by 10%, you get **59.5738, 82.9481, 51.3626**, and if you desaturate by 10%, it is **78.4886, 92.0386, 82.0888**.

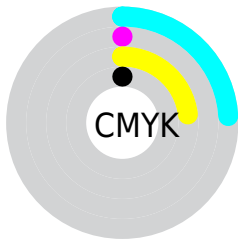
Distribution



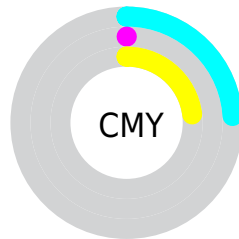
- Red (76%)
- Green (100%)
- Blue (77%)



- Red (76%)
- Yellow (100%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2295, 87.1076, 65.4419 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 68.2295, 87.1076, 65.4419 by changing the saturation by 10% instead.


 68.2295, 87.1076,
65.4419

 68.2295, 87.1076,
65.4419

443.6727,
518.5764, 462.7279

 50.3588, 65.5843,
47.3659


 115.7205,
143.3141, 114.3043

 35.9176, 47.9350,
32.9686


146.0715,
178.7661, 145.9277

 24.5403, 33.7754,
21.8314


181.3134,
219.6297, 182.9041

 15.8618, 22.7211,
13.5360

221.8115,
266.2893, 225.6518

 9.5167, 14.3877,
7.6636

267.9311,
319.1294, 274.5895

 5.1395, 8.3908,
3.7958

320.0376,

 2.3649, 4.3460,

378.5344, 330.1357

1.5140

378.4963,
444.8886, 392.7090

■ 0.8276, 1.8689,
0.2283

■ 0.0000, 0.5296,
0.0000

■ 68.2295, 87.1076,
65.4419

■ 68.2295, 87.1076,
65.4419

■ 59.5738, 82.9481,
51.3626

■ 78.4886, 92.0386,
82.0888

■ 52.4387, 79.5202,
39.7193

■ 90.4244, 97.7762,
101.4176

■ 46.7371, 76.7818,
30.3750

95.0500, 100.0000,
108.9000

■ 42.3720, 74.6863,
23.1775

■ 39.2347, 73.1813,
17.9565

■ 37.1993, 72.2060,
14.5155

■ 36.1129, 71.6869,
12.6180

■ 35.7833, 71.5293,
12.0427

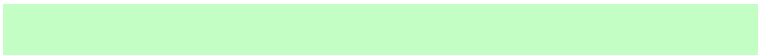
Harmonies

Analogous

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



75.3724, 87.1076, 52.5188



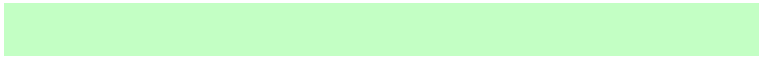
68.2295, 87.1076, 65.4419



65.0273, 87.1076, 88.5332

Triad

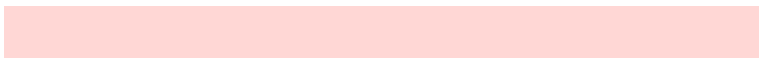
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2295, 87.1076, 65.4419



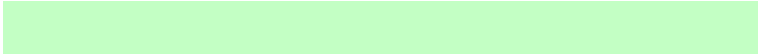
80.5588, 87.1076, 161.2003



101.8615, 87.1076, 74.5697

Complementary

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



68.2295, 87.1076, 65.4419



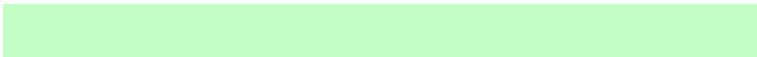
78.6447, 67.4466, 102.6388

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.



103.5317, 87.1076, 101.4506



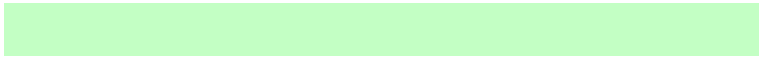
68.2295, 87.1076, 65.4419



90.6857, 87.1076, 155.3710

Square

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



68.2295, 87.1076, 65.4419



71.7632, 87.1076, 146.5689



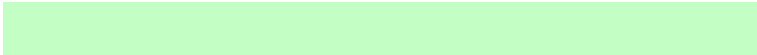
99.2944, 87.1076, 131.9526



94.8991, 87.1076, 56.9948

Rectangle

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



68.2295, 87.1076, 65.4419



65.3578, 87.1076, 108.1777



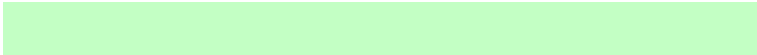
99.2944, 87.1076, 131.9526



103.0825, 87.1076, 82.6561

Sweetspot

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



68.2301, 87.1079, 65.4433



86.0867, 95.6910, 94.3971



86.4836, 96.5310, 65.7048



18.2692, 20.4064, 19.9508



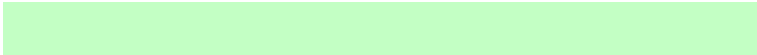
0.0000, 0.0000, 0.0000



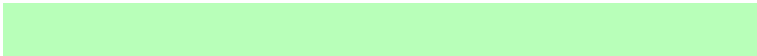
20.3446, 21.4041, 23.3091

Same Dimension

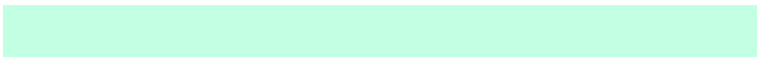
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2301, 87.1079, 65.4433



64.1664, 85.1550, 58.8379



71.9936, 88.6133, 85.2616



17.7839, 20.1731, 19.1649



18.7028, 37.3777, 6.3205



1.8252, 3.6410, 0.6371

Inverse Universe

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



78.6447, 67.4466, 102.6388



76.1563, 62.5186, 101.6592



74.2101, 65.6727, 79.2864



18.7788, 18.2949, 22.7185



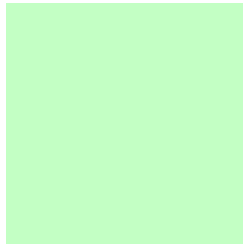
30.6324, 14.7422, 48.8420



2.9866, 1.4370, 4.7768

Previews

White Background



This preview shows how the XYZ color 68.2295, 87.1076, 65.4419 looks on a white background.

Color Contrast Check

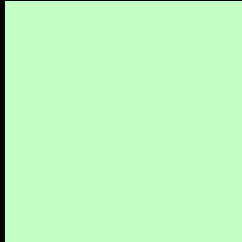
Large Text (above 18pt) WCAG AA × Fail

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 68.2295, 87.1076, 65.4419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

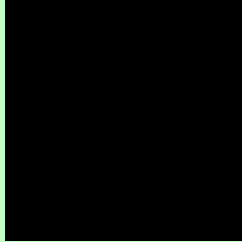
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

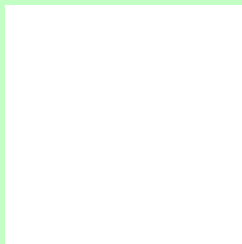
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2295, 87.1076, 65.4419

Background



This preview shows how black text looks on a background with the XYZ color 68.2295, 87.1076, 65.4419.



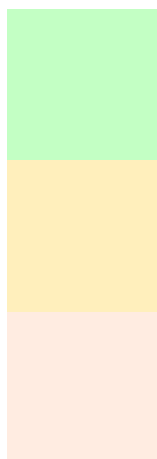
This preview shows how white text looks on a background with the XYZ color 68.2295, 87.1076,

65.4419.

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

68.2295, 87.1076, 65.4419

Protanopia

81.1836, 86.6238, 60.0182

Deuteranopia

84.8261, 86.6871, 83.4956



Tritanopia

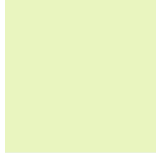
79.9194, 86.6933, 107.1290

Trichromacy



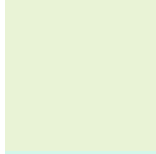
Original Color

68.2295, 87.1076, 65.4419



Protanomaly

75.6607, 86.3900, 61.9774



Deuteranomaly

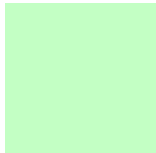
77.7925, 86.2799, 76.1719



Tritanomaly

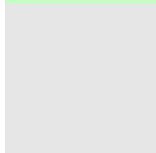
75.2634, 86.4591, 90.5634

Monochromacy



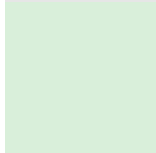
Original Color

68.2295, 87.1076, 65.4419



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.1367, 81.5467, 78.2677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2295, 87.1076, 65.4419 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(195, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 196)  
}
```

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(195, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 68.2295, 87.1076, 65.4419 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(195, 255, 196) }
```


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

```
.border{ border-color:rgb(195, 255, 196) }
```

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

Here you see how a box with a 4 pixel rgb(195, 255, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2295, 87.1076, 65.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 196) }
```

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

```
.background{ background-color: rgb(195,  
255, 196) }
```

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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