

Converting Colors

XYZ(68.8684, 87.4234, 66.0864)

Have a look what the booklet for
XYZ(68.8684, 87.4234, 66.0864)
contains.

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Color

**XYZ(68.8640, 87.4215,
66.0679)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FFC5
RGB	197, 255, 197
RGB Percent	77%, 100%, 77%
CMY	0.2274, 0.0000, 0.2274
CMYK	0.23, 0.00, 0.23, 0.00
HSL	120°, 100%, 89%
HSV	120°, 23%, 100%
XYZ	68.8640, 87.4215, 66.0679
YIQ	231.0460, -15.9500, -30.3340

Conversions

Conversions Part 2

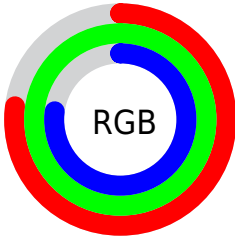
Format	Color
RYB	197, 255, 255
Decimal	12976069
CIELab	94.92, -29.01, 21.92
CIELCh	95, 36.360, 142.932
Yxy	87.4215, 0.3097, 0.3932
Android (android.graphics.Color)	4291166149 (0xFFC5FFC5)
YUV	231.0460, -16.7847, -29.8583
Hunter-Lab	93.4995, -32.1557, 23.5546

Details

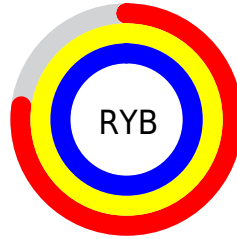
The XYZ color **68.8640, 87.4215, 66.0679** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.2564, 68.4131, 103.6347**, and the grayscale version is **76.1190, 80.0831, 87.2105**.

A 20% lighter version of the original color is **94.5224, 99.7466, 108.0371**, and **36.3073, 48.1221, 33.3615** is the 20% darker color. If you saturate the color by 10%, you get **60.0627, 83.1938, 51.6722**, and if you desaturate by 10%, it is **79.2902, 92.4298, 83.1221**.

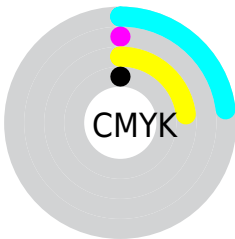
Distribution



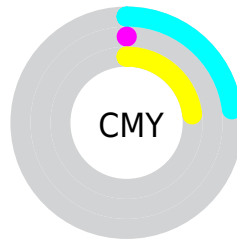
- Red (77%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8640, 87.4215, 66.0679 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 68.8640, 87.4215, 66.0679 by changing the saturation by 10% instead.

68.8640, 87.4215,
66.0679

68.8640, 87.4215,
66.0679

445.8800,
519.6069, 465.0305

50.8772, 65.8441,
47.8707

116.6224,
143.7515, 115.2117

36.3315, 48.1458,
33.3652

147.1248,
179.2729, 146.9954

24.8616, 33.9424,
22.1330

182.5297,
220.2110, 184.1450

16.1022, 22.8493,
13.7554

223.2025,
266.9503, 227.0790

9.6878, 14.4823,
7.8139

269.5086,
319.8751, 276.2161

5.2531, 8.4569,
3.8901

321.8133,

2.4328, 4.3887,

379.3699, 331.9746

1.5652

380.4820,
445.8190, 394.7733

■ 0.8615, 1.8933,
0.2658

■ 0.0000, 0.5443,
0.0000

■ 68.8640, 87.4215,
66.0679

■ 68.8640, 87.4215,
66.0679

■ 60.0627, 83.1938,
51.6722

■ 79.2902, 92.4298,
83.1221

■ 52.8029, 79.7065,
39.7973

■ 91.4154, 98.2541,
102.9550

■ 46.9963, 76.9173,
30.2995

■ 95.0500, 100.0000,
108.9000

■ 42.5452, 74.7793,
23.0189

■ 39.3399, 73.2396,
17.7759

■ 37.2535, 72.2374,
14.3631

■ 36.1323, 71.6988,
12.5291

■ 35.7600, 71.5200,
11.9201

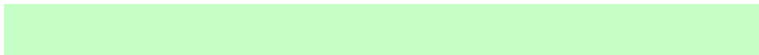
Harmonies

Analogous

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



75.9215, 87.4215, 53.4287



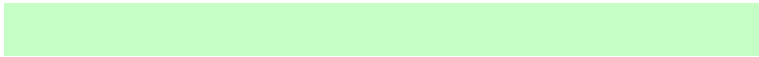
68.8640, 87.4215, 66.0679



65.6619, 87.4215, 88.6613

Triad

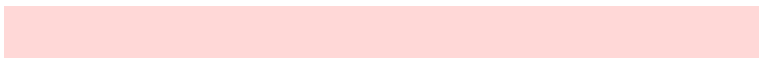
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8640, 87.4215, 66.0679



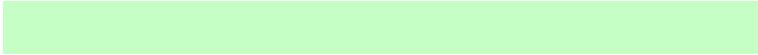
80.7805, 87.4215, 159.8748



101.8027, 87.4215, 75.5607

Complementary

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



68.8640, 87.4215, 66.0679



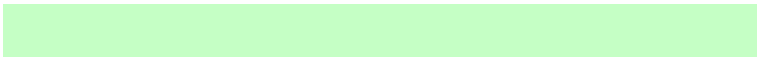
79.2564, 68.4131, 103.6347

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.



103.3611, 87.4215, 102.0256



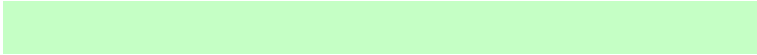
68.8640, 87.4215, 66.0679



90.6993, 87.4215, 154.4572

Square

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



68.8640, 87.4215, 66.0679



72.1802, 87.4215, 145.4142



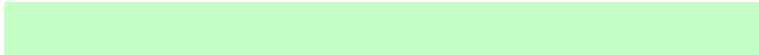
99.1549, 87.4215, 131.8076



95.0505, 87.4215, 58.1049

Rectangle

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



68.8640, 87.4215, 66.0679



65.9502, 87.4215, 107.8621



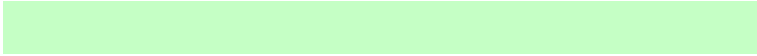
99.1549, 87.4215, 131.8076



102.9721, 87.4215, 83.5462

Sweetspot

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



68.8646, 87.4218, 66.0693



86.0432, 95.6736, 94.1678



87.0782, 96.8113, 66.9211



18.2592, 20.4024, 19.8980



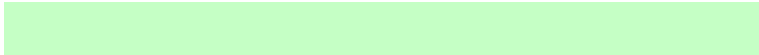
0.0000, 0.0000, 0.0000



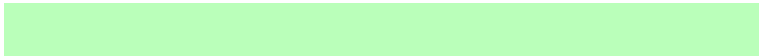
20.3446, 21.4041, 23.3091

Same Dimension

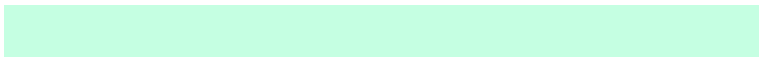
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8646, 87.4218, 66.0693



64.9252, 85.5295, 59.6256



72.5139, 88.8815, 85.2860



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



79.2564, 68.4131, 103.6347



76.8803, 63.6610, 102.8425



74.9341, 66.6841, 80.8739



18.7927, 18.3004, 22.7917



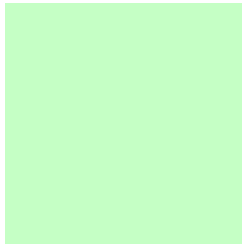
30.9800, 14.8813, 50.6723



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 68.8640, 87.4215, 66.0679 looks on a white background.

Color Contrast Check

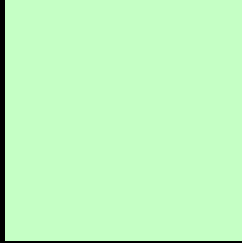
Large Text (above 18pt) WCAG AA × Fail

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 68.8640, 87.4215, 66.0679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

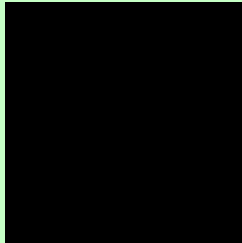
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

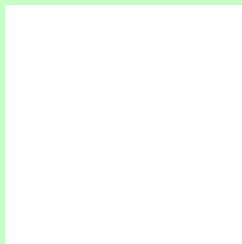
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8640, 87.4215, 66.0679

Background



This preview shows how black text looks on a background with the XYZ color 68.8640, 87.4215, 66.0679.

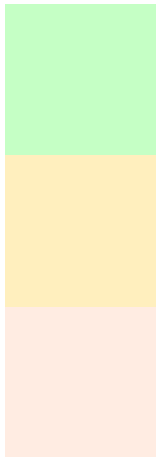


This preview shows how white text looks on a background with the XYZ color 68.8640, 87.4215,

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

68.8640, 87.4215, 66.0679

Protanopia

81.4008, 86.7107, 61.1618

Deuteranopia

84.9629, 86.7419, 84.2163



Tritanopia

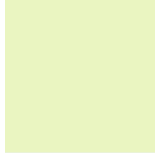
80.2248, 86.8508, 107.1433

Trichromacy



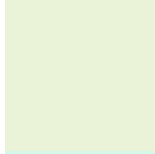
Original Color

68.8640, 87.4215, 66.0679



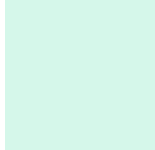
Protanomaly

76.2097, 86.6475, 63.1600



Deuteranomaly

78.2480, 86.4999, 76.8620



Tritanomaly

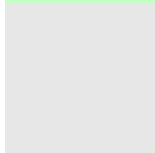
75.5526, 86.6082, 90.5769

Monochromacy



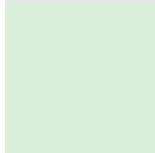
Original Color

68.8640, 87.4215, 66.0679



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.1597, 82.4947, 79.0850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8640, 87.4215, 66.0679 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(197, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 197)  
}
```

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(197, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 68.8640, 87.4215, 66.0679 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(197, 255, 197) }
```


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

```
.border{ border-color:rgb(197, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 255, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 255, 197); box-shadow:4px 4px 4px 4px rgb(197, 255, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8640, 87.4215, 66.0679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 197) }
```

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

```
.background{ background-color: rgb(197,  
255, 197) }
```

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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