

Converting Colors

XYZ(68.4571, 87.1009, 71.0591)

Have a look what the booklet for
XYZ(68.4571, 87.1009, 71.0591)
contains.

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Color

**XYZ(68.5177, 87.1342,
70.9649)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FFCD
RGB	192, 255, 205
RGB Percent	75%, 100%, 80%
CMY	0.2471, 0.0000, 0.1961
CMYK	0.25, 0.00, 0.20, 0.00
HSL	132°, 100%, 88%
HSV	132°, 25%, 100%
XYZ	68.5177, 87.1342, 70.9649
YIQ	230.4630, -21.4980, -28.9060

Conversions

Conversions Part 2

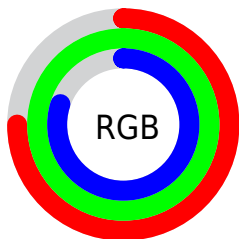
Format	Color
RYB	192, 244, 255
Decimal	12648397
CIELab	94.80, -29.24, 17.62
CIElCh	95, 34.142, 148.925
Yxy	87.1342, 0.3024, 0.3845
Android (android.graphics.Color)	4290838477 (0xFFC0FFCD)
YUV	230.4630, -12.5533, -33.7321
Hunter-Lab	93.3457, -32.3322, 20.2675

Details

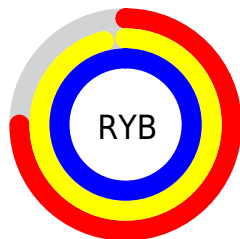
The XYZ color **68.5177, 87.1342, 70.9649** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.1170, 65.3709, 92.6103**, and the grayscale version is **75.6581, 79.5982, 86.6824**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **36.0965, 47.9409, 36.6292** is the 20% darker color. If you saturate the color by 10%, you get **60.3234, 83.1742, 58.6434**, and if you desaturate by 10%, it is **78.1481, 91.7981, 85.0059**.

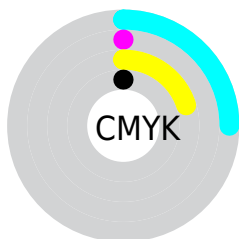
Distribution



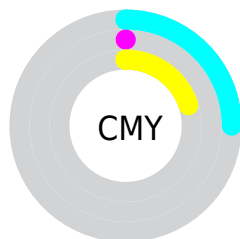
- Red (75%)
- Green (100%)
- Blue (80%)



- Red (75%)
- Yellow (96%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5177, 87.1342, 70.9649 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 68.5177, 87.1342, 70.9649 by changing the saturation by 10% instead.


 68.5177, 87.1342,
70.9649

 68.5177, 87.1342,
70.9649


444.6761,
518.6637, 482.8111

 50.5942, 65.6063,
51.8319


 116.1303,
143.3512, 122.2777

 36.1055, 47.9529,
36.4898


146.5501,
178.8090, 155.2946

 24.6862, 33.7896,
24.5200


181.8661,
219.6789, 193.7766

 15.9709, 22.7320,
15.5041

222.4437,
266.3454, 238.1422

 9.5943, 14.3957,
9.0234

268.6481,
319.1926, 288.8098

 5.1910, 8.3964,
4.6594

320.8447,

 2.3957, 4.3496,

378.6052, 346.1982

1.9936

379.3989,
444.9674, 410.7258

■ 0.8429, 1.8710,
0.5514

■ 0.0000, 0.5309,
0.0000

■ 68.5177, 87.1342,
70.9649

■ 68.5177, 87.1342,
70.9649

■ 60.3234, 83.1742,
58.6434

■ 78.1481, 91.7981,
85.0059

■ 53.4933, 79.8823,
47.9711

■ 89.2773, 97.1968,
100.8246

■ 47.9525, 77.2214,
38.8792

■ 95.0500, 100.0000,
108.9000

■ 43.6179, 75.1503,
31.2921

■ 40.3963, 73.6226,
25.1284

■ 38.1804, 72.5848,
20.2985

■ 36.8401, 71.9721,
16.7025

■ 36.3939, 71.7736,
15.2582

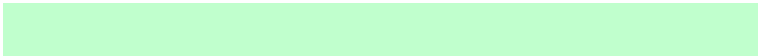
Harmonies

Analogous

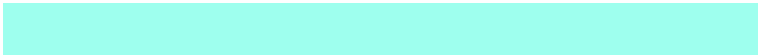
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5211, 87.1342, 56.9519



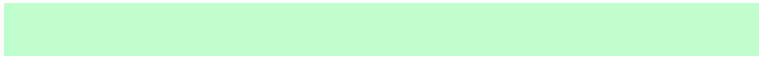
68.5177, 87.1342, 70.9649



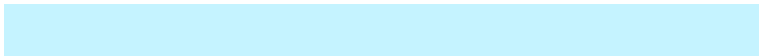
66.2984, 87.1342, 93.9229

Triad

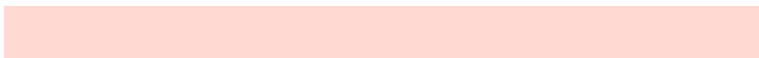
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.5177, 87.1342, 70.9649



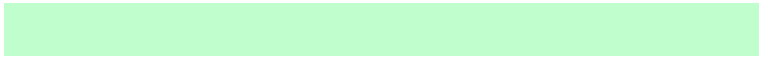
82.4856, 87.1342, 155.3654



99.3581, 87.1342, 72.3361

Complementary

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



68.5177, 87.1342, 70.9649



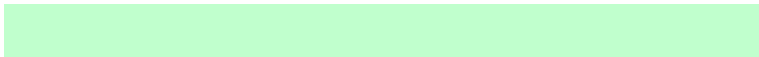
76.1170, 65.3709, 92.6103

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.



101.8773, 87.1342, 95.8322



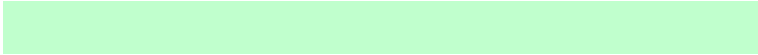
68.5177, 87.1342, 70.9649



91.7099, 87.1342, 146.7268

Square

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



68.5177, 87.1342, 70.9649



73.9843, 87.1342, 145.4539



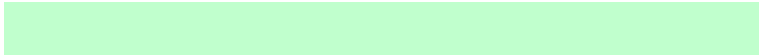
98.9822, 87.1342, 123.6284



92.3292, 87.1342, 57.6339

Rectangle

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



68.5177, 87.1342, 70.9649



67.1269, 87.1342, 112.3476



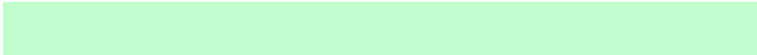
98.9822, 87.1342, 123.6284



100.7825, 87.1342, 79.3138

Sweetspot

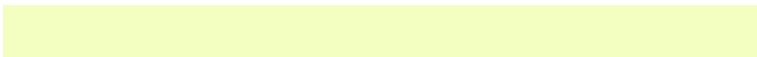
The Sweet Spot groups the original color and five complimentary colors.



68.5184, 87.1346, 70.9663



86.5875, 95.8913, 97.0340



82.0302, 94.2740, 63.7435



18.3848, 20.4526, 20.5593



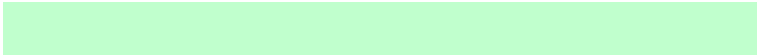
0.0000, 0.0000, 0.0000



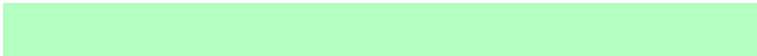
20.3446, 21.4041, 23.3091

Same Dimension

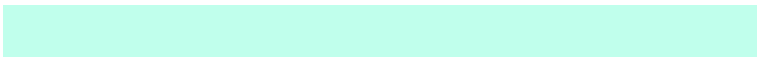
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5184, 87.1346, 70.9663



64.0049, 84.9522, 64.2318



72.6536, 88.7887, 92.7422



17.9249, 20.2295, 19.9073



19.0594, 37.5203, 8.1978



1.8930, 3.6681, 0.9943

Inverse Universe

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



76.1170, 65.3709, 92.6103



72.8716, 59.5448, 89.4794



71.8356, 63.6583, 70.0643



18.6226, 18.2324, 21.8958



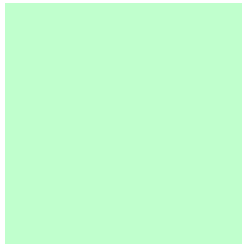
27.1986, 13.3687, 30.7599



2.6868, 1.3171, 3.1979

Previews

White Background



This preview shows how the XYZ color 68.5177, 87.1342, 70.9649 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 68.5177, 87.1342, 70.9649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

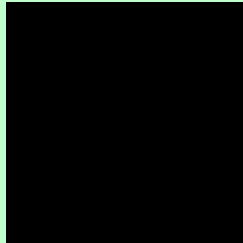
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

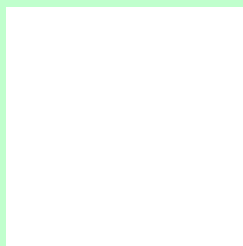
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5177, 87.1342, 70.9649

Background



This preview shows how black text looks on a background with the XYZ color 68.5177, 87.1342, 70.9649.



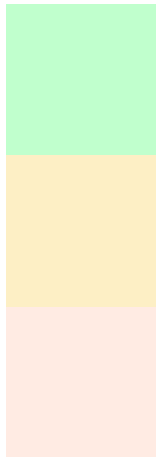
This preview shows how white text looks on a background with the XYZ color 68.5177, 87.1342,

70.9649.

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

68.5177, 87.1342, 70.9649

Protanopia

81.4526, 86.6469, 65.2548

Deuteranopia

84.8135, 86.2227, 84.8455



Tritanopia

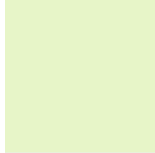
79.6158, 86.5368, 107.1148

Trichromacy



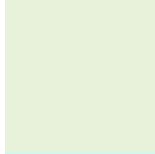
Original Color

68.5177, 87.1342, 70.9649



Protanomaly

76.0327, 86.4639, 67.3254



Deuteranomaly

77.8170, 85.7745, 79.4726



Tritanomaly

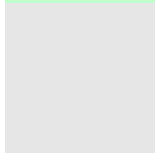
75.1252, 86.3376, 92.8261

Monochromacy



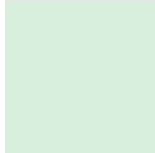
Original Color

68.5177, 87.1342, 70.9649



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.2365, 81.5524, 80.3405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5177, 87.1342, 70.9649 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(192, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 205)  
}
```

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(192, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 68.5177, 87.1342, 70.9649 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(192, 255, 205) }
```


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

```
.border{ border-color:rgb(192, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5177, 87.1342, 70.9649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 205) }
```

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

```
.background{ background-color: rgb(192,  
255, 205) }
```

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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