

Converting Colors

XYZ(67.7818, 86.7329, 71.9254)

Have a look what the booklet for
XYZ(67.7818, 86.7329, 71.9254)
contains.

XYZ(67.7615, 86.7164, 72.1980)	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(67.7615, 86.7164,
72.1980)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFFCF
RGB	188, 255, 207
RGB Percent	74%, 100%, 81%
CMY	0.2627, 0.0000, 0.1882
CMYK	0.26, 0.00, 0.19, 0.00
HSL	137°, 100%, 87%
HSV	137°, 26%, 100%
XYZ	67.7615, 86.7164, 72.1980
YIQ	229.4950, -24.5240, -29.1320

Conversions

Conversions Part 2

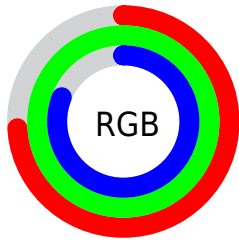
Format	Color
RYB	188, 240, 255
Decimal	12386255
CIELab	94.62, -30.13, 16.32
CIELCh	95, 34.268, 151.563
Yxy	86.7164, 0.2989, 0.3826
Android (android.graphics.Color)	4290576335 (0xFFBCFFCF)
YUV	229.4950, -11.0900, -36.3911
Hunter-Lab	93.1216, -33.0744, 19.2171

Details

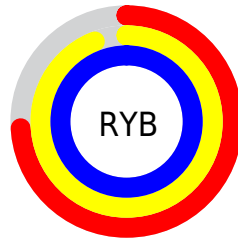
The XYZ color **67.7615, 86.7164, 72.1980** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.3638, 63.2832, 87.6519**, and the grayscale version is **74.9326, 78.8349, 85.8512**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **35.6167, 47.6746, 37.4619** is the 20% darker color. If you saturate the color by 10%, you get **59.9188, 82.9166, 60.8392**, and if you desaturate by 10%, it is **76.9738, 91.1923, 84.9726**.

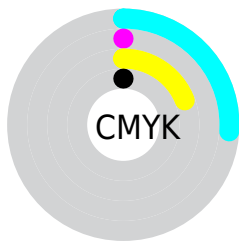
Distribution



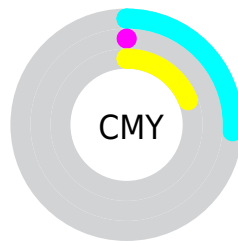
- Red (74%)
- Green (100%)
- Blue (81%)



- Red (74%)
- Yellow (94%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7615, 86.7164, 72.1980 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 67.7615, 86.7164, 72.1980 by changing the saturation by 10% instead.


 67.7615, 86.7164,
72.1980

 67.7615, 86.7164,
72.1980


442.0405,
517.2905, 487.2265

 49.9767, 65.2605,
52.8326


 115.0547,
142.7688, 124.0483

 35.6126, 47.6724,
37.2824


145.2938,
178.1341, 157.3704

 24.3039, 33.5675,
25.1287


180.4150,
218.9047, 196.1817

 15.6851, 22.5615,
15.9531

220.7837,
265.4649, 240.9008

 9.3911, 14.2701,
9.3369

266.7652,
318.1992, 291.9463

 5.0563, 8.3088,
4.8618

318.7250,

 2.3154, 4.2931,

377.4920, 349.7368

2.1091

377.0283,
443.7276, 414.6906

■ 0.8025, 1.8389,
0.6212

■ 0.0000, 0.5112,
0.0000

■ 67.7615, 86.7164,
72.1980

■ 67.7615, 86.7164,
72.1980

■ 59.9188, 82.9166,
60.8392

■ 76.9738, 91.1923,
84.9726

■ 53.3766, 79.7584,
50.8432

■ 87.6163, 96.3746,
99.2054

■ 48.0625, 77.2056,
42.1596

95.0500, 100.0000,
108.9000

■ 43.8960, 75.2178,
34.7332

■ 40.7866, 73.7494,
28.5051

■ 38.6292, 72.7478,
23.4112

■ 37.2947, 72.1476,
19.3811

■ 36.9401, 71.9920,
18.1342

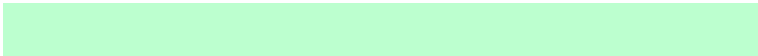
Harmonies

Analogous

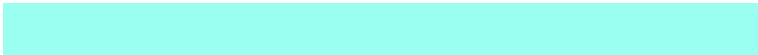
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4651, 86.7164, 57.3541



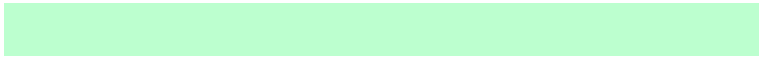
67.7615, 86.7164, 72.1980



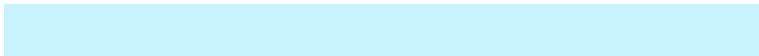
65.9027, 86.7164, 95.8140

Triad

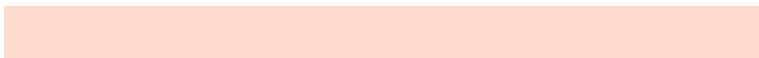
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7615, 86.7164, 72.1980



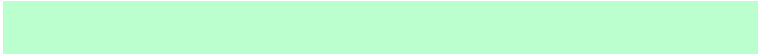
82.9069, 86.7164, 154.9797



98.5096, 86.7164, 70.2066

Complementary

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



67.7615, 86.7164, 72.1980



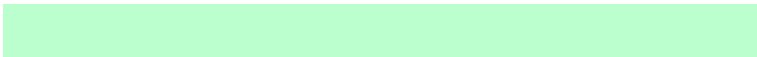
74.3638, 63.2832, 87.6519

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.



101.4924, 86.7164, 93.0384



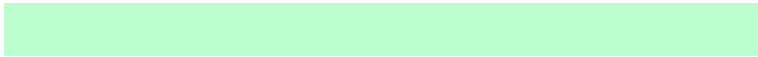
67.7615, 86.7164, 72.1980



92.0774, 86.7164, 144.7630

Square

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



67.7615, 86.7164, 72.1980



74.2452, 86.7164, 146.6160



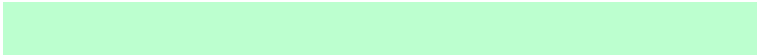
99.0563, 86.7164, 120.7881



91.1768, 86.7164, 56.3644

Rectangle

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



67.7615, 86.7164, 72.1980



66.9742, 86.7164, 114.3863



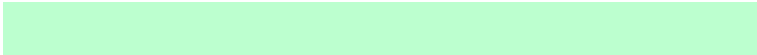
99.0563, 86.7164, 120.7881



100.0779, 86.7164, 76.9228

Sweetspot

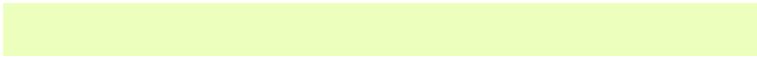
The Sweet Spot groups the original color and five complimentary colors.



67.7621, 86.7167, 72.1994



85.6745, 95.4284, 96.6425



79.4350, 92.9867, 61.3394



17.9833, 20.2529, 20.2151



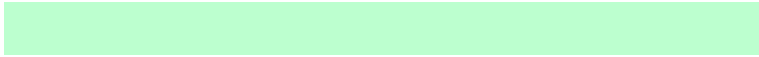
0.0000, 0.0000, 0.0000



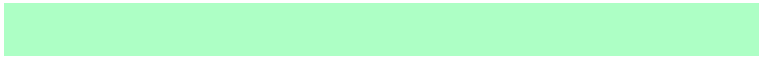
20.3446, 21.4041, 23.3091

Same Dimension

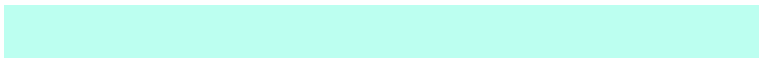
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7621, 86.7167, 72.1994



63.1077, 84.4601, 65.5246



72.2996, 88.5316, 96.0930



17.9833, 20.2529, 20.2151



19.3568, 37.6393, 9.7643



1.9292, 3.6826, 1.1848

Inverse Universe

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



74.3638, 63.2832, 87.6519



70.8058, 57.1189, 83.5318



69.9456, 61.5159, 64.3863



18.5601, 18.2073, 21.5665



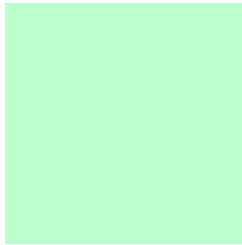
26.0650, 12.9153, 24.7906



2.5848, 1.2763, 2.6610

Previews

White Background



This preview shows how the XYZ color 67.7615, 86.7164, 72.1980 looks on a white background.

Color Contrast Check

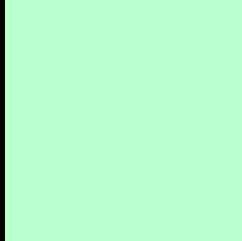
Large Text (above 18pt) WCAG AA × Fail

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 67.7615, 86.7164, 72.1980 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 67.7615, 86.7164, 72.1980

Background



This preview shows how black text looks on a background with the XYZ color 67.7615, 86.7164, 72.1980.

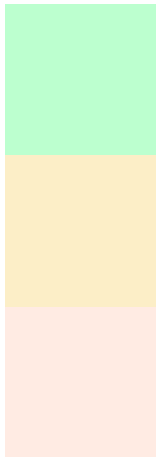


This preview shows how white text looks on a background with the XYZ color 67.7615, 86.7164,

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

67.7615, 86.7164, 72.1980

Protanopia

81.0282, 85.9680, 66.3557

Deuteranopia

84.8135, 86.2227, 84.8455



Tritanopia

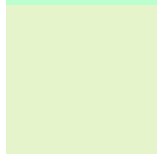
78.7159, 86.0729, 107.0727

Trichromacy



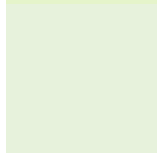
Original Color

67.7615, 86.7164, 72.1980



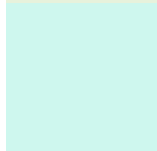
Protanomaly

75.3245, 85.6236, 68.4341



Deuteranomaly

77.6254, 85.6605, 80.1530



Tritanomaly

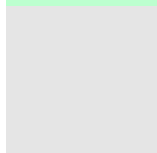
74.1470, 85.8164, 93.5452

Monochromacy



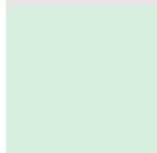
Original Color

67.7615, 86.7164, 72.1980



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.3572, 80.6657, 80.2157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7615, 86.7164, 72.1980 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(188, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 207)  
}
```

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(188, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 67.7615, 86.7164, 72.1980 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(188, 255, 207) }
```


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

```
.border{ border-color:rgb(188, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7615, 86.7164, 72.1980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 207) }
```

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

```
.background{ background-color: rgb(188,  
255, 207) }
```

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