

Converting Colors

XYZ(68.7036, 87.2056, 72.0835)

Have a look what the booklet for
XYZ(68.7036, 87.2056, 72.0835)
contains.

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Color

**XYZ(68.7607, 87.2315,
72.2448)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FFCF
RGB	192, 255, 207
RGB Percent	75%, 100%, 81%
CMY	0.2471, 0.0000, 0.1882
CMYK	0.25, 0.00, 0.19, 0.00
HSL	134°, 100%, 88%
HSV	134°, 25%, 100%
XYZ	68.7607, 87.2315, 72.2448
YIQ	230.6910, -22.1400, -28.2840

Conversions

Conversions Part 2

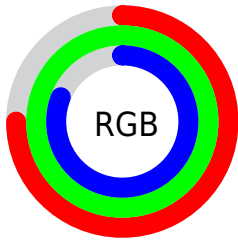
Format	Color
RYB	192, 243, 255
Decimal	12648399
CIELab	94.84, -28.89, 16.66
CIELCh	95, 33.348, 150.033
Yxy	87.2315, 0.3013, 0.3822
Android (android.graphics.Color)	4290838479 (0xFFC0FFCF)
YUV	230.6910, -11.6797, -33.9320
Hunter-Lab	93.3978, -32.0321, 19.5166

Details

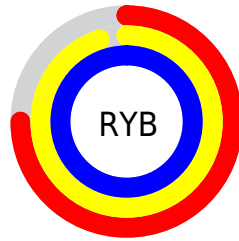
The XYZ color **68.7607, 87.2315, 72.2448** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.8180, 65.2511, 91.0362**, and the grayscale version is **75.8214, 79.7700, 86.8695**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **36.2604, 48.0064, 37.4920** is the 20% darker color. If you saturate the color by 10%, you get **60.6225, 83.2938, 60.2187**, and if you desaturate by 10%, it is **78.3112, 91.8633, 85.8654**.

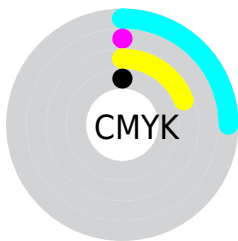
Distribution



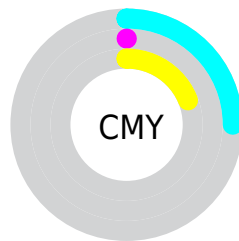
- Red (75%)
- Green (100%)
- Blue (81%)



- Red (75%)
- Yellow (95%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7607, 87.2315, 72.2448 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 68.7607, 87.2315, 72.2448 by changing the saturation by 10% instead.


 68.7607, 87.2315,
72.2448

 68.7607, 87.2315,
72.2448


445.5211,
518.9833, 487.3936

 50.7928, 65.6868,
52.8706


 116.4757,
143.4868, 124.1155

 36.2641, 48.0182,
37.3125


146.9534,
178.9661, 157.4490

 24.8093, 33.8413,
25.1518


182.3318,
219.8592, 196.2728

 16.0630, 22.7717,
15.9702

222.9762,
266.5503, 241.0053

 9.6599, 14.4250,
9.3489

269.2520,
319.4238, 292.0651

 5.2346, 8.4169,
4.8696

321.5245,

 2.4217, 4.3628,

378.8643, 349.8707

2.1135

380.1591,
445.2559, 414.8407

■ 0.8559, 1.8785,
0.6238

■ 0.0000, 0.5354,
0.0000

■ 68.7607, 87.2315,
72.2448

■ 68.7607, 87.2315,
72.2448

■ 60.6225, 83.2938,
60.2187

■ 78.3112, 91.8633,
85.8654

■ 53.8262, 80.0154,
49.7247

■ 89.3355, 97.2201,
101.1318

■ 48.2987, 77.3598,
40.7021

95.0500, 100.0000,
108.9000

■ 43.9583, 75.2864,
33.0848

■ 40.7140, 73.7496,
26.8016

■ 38.4607, 72.6969,
21.7747

■ 37.0710, 72.0644,
17.9181

■ 36.5947, 71.8539,
16.3157

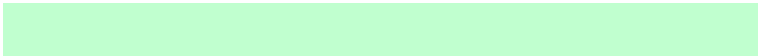
Harmonies

Analogous

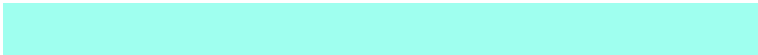
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5210, 87.2315, 58.1077



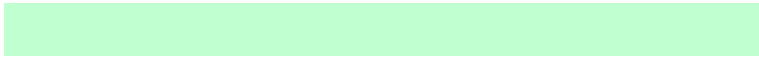
68.7607, 87.2315, 72.2448



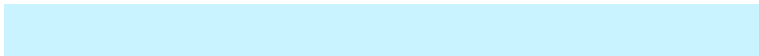
66.7321, 87.2315, 95.0091

Triad

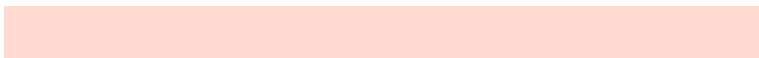
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7607, 87.2315, 72.2448



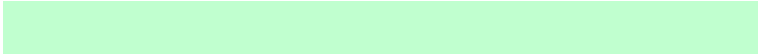
82.9210, 87.2315, 153.8878



98.8690, 87.2315, 72.2032

Complementary

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



68.7607, 87.2315, 72.2448



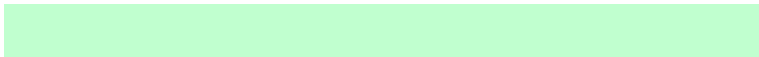
75.8180, 65.2511, 91.0362

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.



101.5137, 87.2315, 94.9514



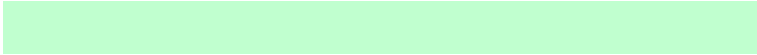
68.7607, 87.2315, 72.2448



91.9081, 87.2315, 144.8605

Square

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



68.7607, 87.2315, 72.2448



74.5372, 87.2315, 144.8987



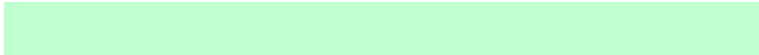
98.8803, 87.2315, 122.0458



91.8894, 87.2315, 58.0869

Rectangle

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



68.7607, 87.2315, 72.2448



67.6452, 87.2315, 113.0530



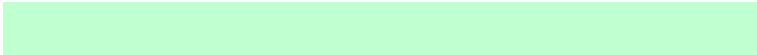
98.8803, 87.2315, 122.0458



100.3161, 87.2315, 78.9442

Sweetspot

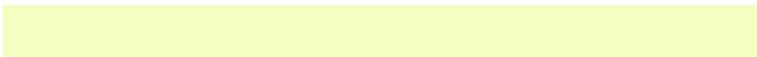
The Sweet Spot groups the original color and five complimentary colors.



68.7613, 87.2318, 72.2462



86.6722, 95.9252, 97.4802



81.3118, 93.9037, 63.7097



18.4043, 20.4604, 20.6624



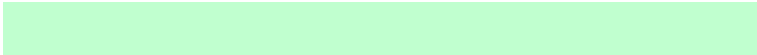
0.0000, 0.0000, 0.0000



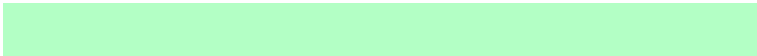
20.3446, 21.4041, 23.3091

Same Dimension

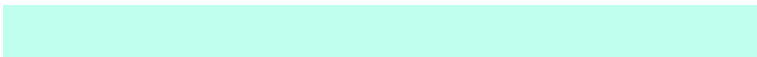
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7613, 87.2318, 72.2462



64.2805, 85.0624, 65.6834



72.9607, 88.9115, 94.3596



17.9488, 20.2391, 20.0334



19.1695, 37.5644, 8.7777



1.9068, 3.6737, 1.0673

Inverse Universe

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



75.8180, 65.2511, 91.0362



72.5146, 59.4020, 87.5995



71.5740, 63.5535, 68.6872



18.5968, 18.2220, 21.7601



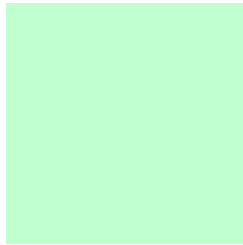
26.7146, 13.1752, 28.2115



2.6435, 1.2998, 2.9700

Previews

White Background



This preview shows how the XYZ color 68.7607, 87.2315, 72.2448 looks on a white background.

Color Contrast Check

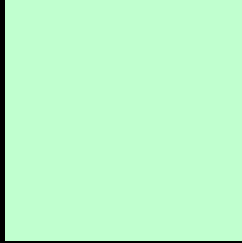
Large Text (above 18pt) WCAG AA × Fail

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 68.7607, 87.2315, 72.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

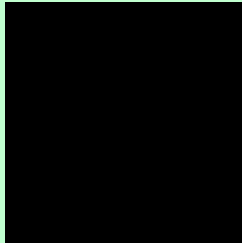
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

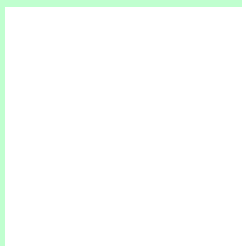
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7607, 87.2315, 72.2448

Background



This preview shows how black text looks on a background with the XYZ color 68.7607, 87.2315, 72.2448.



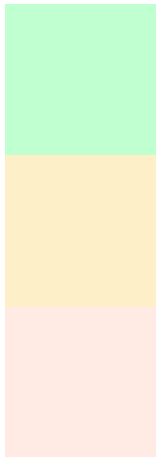
This preview shows how white text looks on a background with the XYZ color 68.7607, 87.2315,

72.2448.

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

68.7607, 87.2315, 72.2448

Protanopia

81.6833, 86.7392, 66.4700

Deuteranopia

84.9519, 86.2781, 85.5747



Tritanopia

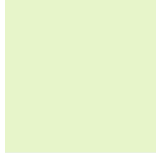
79.9159, 87.1370, 107.2148

Trichromacy



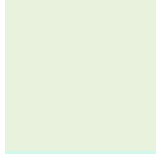
Original Color

68.7607, 87.2315, 72.2448



Protanomaly

76.2681, 86.5580, 68.5647



Deuteranomaly

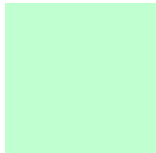
77.9491, 85.8274, 80.1681



Tritanomaly

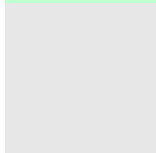
75.5784, 87.0095, 93.7000

Monochromacy



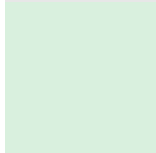
Original Color

68.7607, 87.2315, 72.2448



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.9602, 82.3458, 81.1562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7607, 87.2315, 72.2448 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 68.7607, 87.2315, 72.2448 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, 207) }
```


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

```
.border{ border-color:rgb(192, 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(192, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7607, 87.2315, 72.2448 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, 207) }
```

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

```
.background{ background-color: rgb(192,  
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](#).

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