

Converting Colors

XYZ(68.8312, 87.1961, 75.4884)

Have a look what the booklet for
XYZ(68.8312, 87.1961, 75.4884)
contains.

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Color

**XYZ(68.8789, 87.2206,
75.4923)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFFD4
RGB	190, 255, 212
RGB Percent	75%, 100%, 83%
CMY	0.2549, 0.0000, 0.1686
CMYK	0.25, 0.00, 0.17, 0.00
HSL	140°, 100%, 87%
HSV	140°, 25%, 100%
XYZ	68.8789, 87.2206, 75.4923
YIQ	230.6630, -24.9370, -27.1530

Conversions

Conversions Part 2

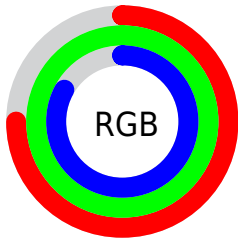
Format	Color
RYB	190, 239, 255
Decimal	12517332
CIELab	94.83, -28.61, 14.07
CIELCh	95, 31.887, 153.809
Yxy	87.2206, 0.2974, 0.3766
Android (android.graphics.Color)	4290707412 (0xFFBEFFD4)
YUV	230.6630, -9.2009, -35.6615
Hunter-Lab	93.3920, -31.7878, 17.4480

Details

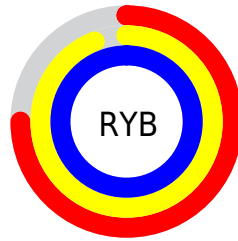
The XYZ color **68.8789, 87.2206, 75.4923** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.3619, 63.9710, 85.5191**, and the grayscale version is **75.7843, 79.7310, 86.8271**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **36.2716, 47.9734, 39.2464** is the 20% darker color. If you saturate the color by 10%, you get **61.0390, 83.4122, 64.5918**, and if you desaturate by 10%, it is **78.0568, 91.6931, 87.6189**.

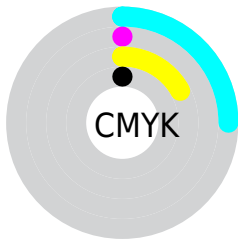
Distribution



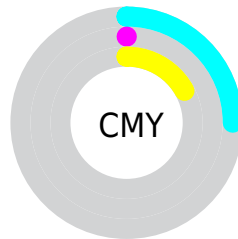
- Red (75%)
- Green (100%)
- Blue (83%)



- Red (75%)
- Yellow (94%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8789, 87.2206, 75.4923 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 68.8789, 87.2206, 75.4923 by changing the saturation by 10% instead.


 68.8789, 87.2206,
75.4923

 68.8789, 87.2206,
75.4923


445.9318,
518.9475, 498.9085

 50.8894, 65.6778,
55.5121


 116.6436,
143.4716, 128.7625

 36.3413, 48.0109,
39.4105


147.1495,
178.9485, 162.8896

 24.8692, 33.8355,
26.7690

182.5582,
219.8390, 202.5694

 16.1078, 22.7673,
17.1689

223.2351,
266.5273, 248.2205

 9.6918, 14.4217,
10.1917

269.5456,
319.3979, 300.2615

 5.2558, 8.4146,
5.4190

321.8550,

 2.4344, 4.3614,

378.8352, 359.1107

2.4321

380.5286,
445.2236, 425.1869

■ 0.8623, 1.8777,
0.8039

■ 0.0000, 0.5349,
0.0000

■ 68.8789, 87.2206,
75.4923

■ 68.8789, 87.2206,
75.4923

■ 61.0390, 83.4122,
64.5918

■ 78.0568, 91.6931,
87.6189

■ 54.4702, 80.2341,
54.8745

■ 88.6310, 96.8590,
101.0040

■ 49.1028, 77.6513,
46.3014

95.0500, 100.0000,
108.9000

■ 44.8591, 75.6246,
38.8296

■ 41.6520, 74.1099,
32.4134

■ 39.3806, 73.0564,
27.0036

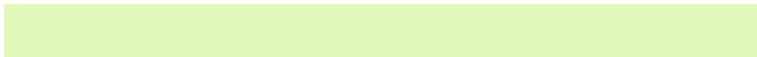
■ 37.9215, 72.4013,
22.5469

■ 37.4523, 72.1969,
20.8313

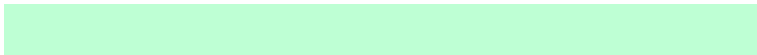
Harmonies

Analogous

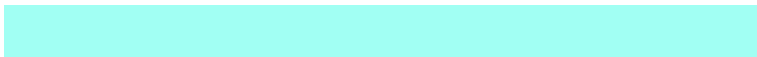
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0025, 87.2206, 60.6895



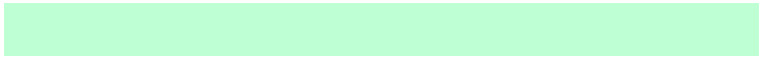
68.8789, 87.2206, 75.4923



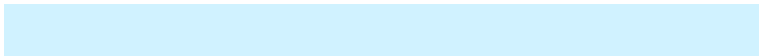
67.4154, 87.2206, 98.1618

Triad

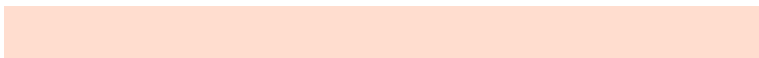
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8789, 87.2206, 75.4923



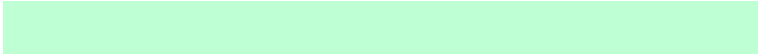
84.0082, 87.2206, 150.7427



97.4730, 87.2206, 70.8948

Complementary

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



68.8789, 87.2206, 75.4923



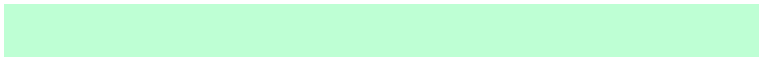
74.3619, 63.9710, 85.5191

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.



100.5920, 87.2206, 91.8451



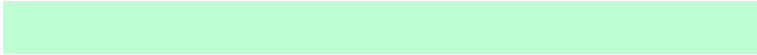
68.8789, 87.2206, 75.4923



92.4848, 87.2206, 140.2017

Square

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



68.8789, 87.2206, 75.4923



75.7874, 87.2206, 144.3364



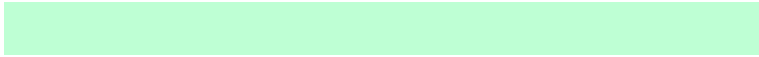
98.7066, 87.2206, 117.5355



90.4454, 87.2206, 58.3764

Rectangle

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



68.8789, 87.2206, 75.4923



68.6215, 87.2206, 115.4827



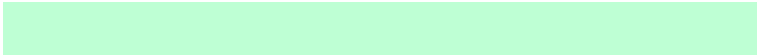
98.7066, 87.2206, 117.5355



99.0346, 87.2206, 77.0399

Sweetspot

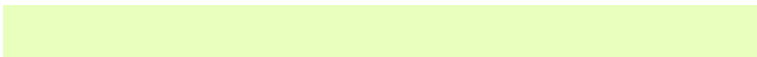
The Sweet Spot groups the original color and five complimentary colors.



68.8796, 87.2210, 75.4937



85.8417, 95.4952, 97.5231



78.7679, 92.6177, 62.4419



18.0252, 20.2696, 20.4358



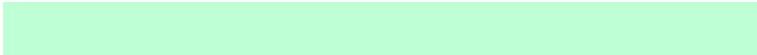
0.0000, 0.0000, 0.0000



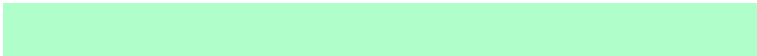
20.3446, 21.4041, 23.3091

Same Dimension

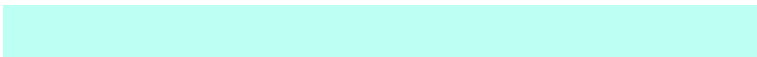
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8796, 87.2210, 75.4937



64.3977, 85.0421, 69.3372



73.3502, 89.0092, 99.0355



18.0252, 20.2696, 20.4358



19.6318, 37.7493, 11.2122



1.9601, 3.6950, 1.3478

Inverse Universe

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



74.3619, 63.9710, 85.5191



70.7930, 57.9060, 81.0221



70.1771, 62.2971, 63.4824



18.5160, 18.1897, 21.3346



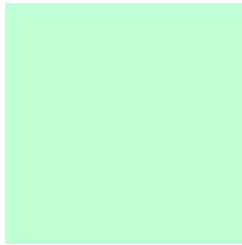
25.3482, 12.6286, 21.0156



2.5191, 1.2500, 2.3152

Previews

White Background



This preview shows how the XYZ color 68.8789, 87.2206, 75.4923 looks on a white background.

Color Contrast Check

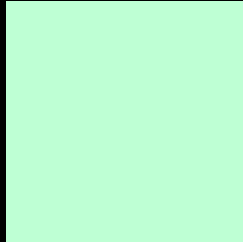
Large Text (above 18pt) WCAG AA × Fail

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 68.8789, 87.2206, 75.4923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

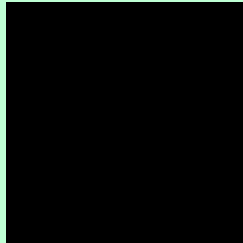
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

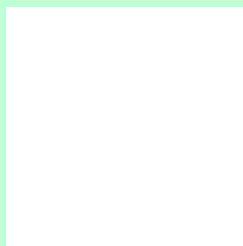
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8789, 87.2206, 75.4923

Background



This preview shows how black text looks on a background with the XYZ color 68.8789, 87.2206, 75.4923.



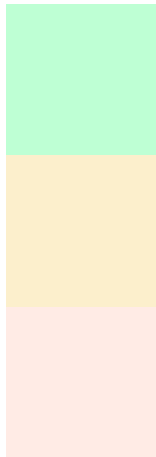
This preview shows how white text looks on a background with the XYZ color 68.8789, 87.2206,

75.4923.

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

68.8789, 87.2206, 75.4923

Protanopia

81.9105, 86.7881, 69.5614

Deuteranopia

85.0912, 86.3338, 86.3080



Tritanopia

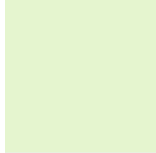
79.6141, 86.9814, 107.2007

Trichromacy



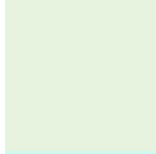
Original Color

68.8789, 87.2206, 75.4923



Protanomaly

76.2280, 86.4678, 71.7038



Deuteranomaly

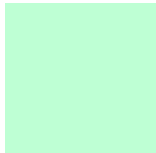
78.0264, 85.8209, 82.2647



Tritanomaly

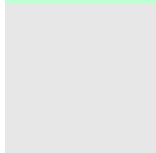
75.1598, 86.7767, 94.4496

Monochromacy



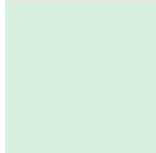
Original Color

68.8789, 87.2206, 75.4923



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.9335, 82.3009, 82.5627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8789, 87.2206, 75.4923 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(190, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 212)  
}
```

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(190, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 68.8789, 87.2206, 75.4923 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(190, 255, 212) }
```


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

```
.border{ border-color:rgb(190, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8789, 87.2206, 75.4923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 212) }
```

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

```
.background{ background-color: rgb(190,  
255, 212) }
```

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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