

Converting Colors

XYZ(66.8209, 86.2836, 69.7970)

Have a look what the booklet for
XYZ(66.8209, 86.2836, 69.7970)
contains.

XYZ(66.7892, 86.2709, 69.6317)	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(66.7892, 86.2709,
69.6317)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFCB
RGB	186, 255, 203
RGB Percent	73%, 100%, 80%
CMY	0.2706, 0.0000, 0.2039
CMYK	0.27, 0.00, 0.20, 0.00
HSL	135°, 100%, 86%
HSV	135°, 27%, 100%
XYZ	66.7892, 86.2709, 69.6317
YIQ	228.4410, -24.4320, -30.8000

Conversions

Conversions Part 2

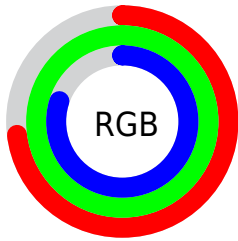
Format	Color
RYB	186, 241, 255
Decimal	12255179
CIELab	94.43, -31.46, 18.08
CIELCh	94, 36.288, 150.112
Yxy	86.2709, 0.2999, 0.3874
Android (android.graphics.Color)	4290445259 (0xFFBAFFCB)
YUV	228.4410, -12.5424, -37.2208
Hunter-Lab	92.8821, -34.1889, 20.5691

Details

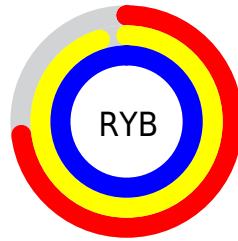
The XYZ color **66.7892, 86.2709, 69.6317** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.2318, 62.5515, 89.0498**, and the grayscale version is **74.1673, 78.0298, 84.9744**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **34.9790, 47.3834, 35.7361** is the 20% darker color. If you saturate the color by 10%, you get **58.9869, 82.4971, 58.0440**, and if you desaturate by 10%, it is **75.9822, 90.7288, 82.7691**.

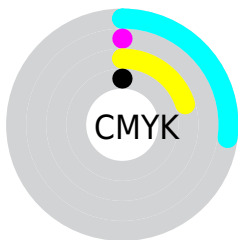
Distribution



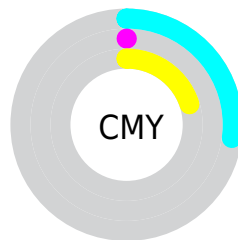
- Red (73%)
- Green (100%)
- Blue (80%)



- Red (73%)
- Yellow (95%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7892, 86.2709, 69.6317 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 66.7892, 86.2709, 69.6317 by changing the saturation by 10% instead.


 66.7892, 86.2709,
69.6317

 66.7892, 86.2709,
69.6317


438.6383,
515.8240, 478.0099

 49.1834, 64.8920,
50.7514


 113.6698,
142.1475, 120.3596

 34.9801, 47.3735,
35.6354


143.6753,
177.4139, 153.0442

 23.8140, 33.3310,
23.8653


178.5447,
218.0784, 191.1674

 15.3197, 22.3802,
15.0225

218.6434,
264.5252, 235.1476

 9.1318, 14.1365,
8.6884

264.3368,
317.1388, 285.4034

 4.8851, 8.2157,
4.4444

315.9901,

 2.2141, 4.2333,

376.3035, 342.3534

1.8722

373.9689,
442.4038, 406.4160

0.7501, 1.8049,
0.4750

0.0000, 0.4902,
0.0000

66.7892, 86.2709,
69.6317

66.7892, 86.2709,
69.6317

58.9869, 82.4971,
58.0440

75.9822, 90.7288,
82.7691

52.5042, 79.3719,
47.9446

86.6281, 95.9018,
97.5063

47.2665, 76.8583,
39.2741

95.0500, 100.0000,
108.9000

43.1909, 74.9147,
31.9676

■ 40.1837, 73.4944,
25.9549

■ 38.1363, 72.5430,
21.1597

■ 36.9121, 71.9917,
17.4967

■ 36.6524, 71.8770,
16.6195

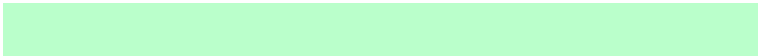
Harmonies

Analogous

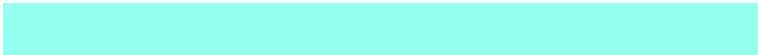
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9444, 86.2709, 54.7119



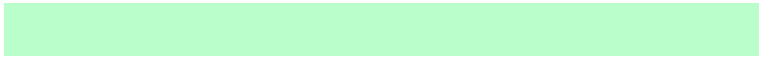
66.7892, 86.2709, 69.6317



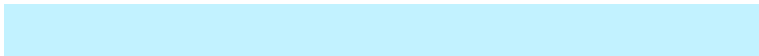
64.6373, 86.2709, 94.0394

Triad

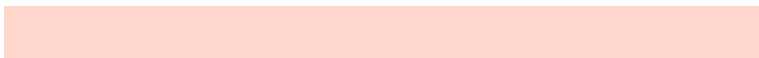
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.7892, 86.2709, 69.6317



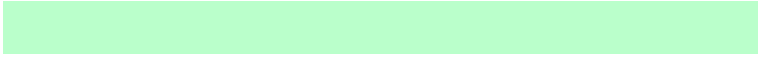
82.0346, 86.2709, 158.5316



99.3144, 86.2709, 69.4828

Complementary

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



66.7892, 86.2709, 69.6317



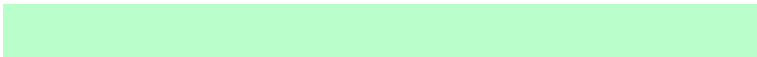
74.2318, 62.5515, 89.0498

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.



102.2180, 86.2709, 93.8294



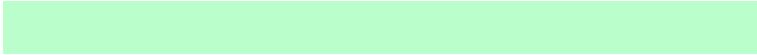
66.7892, 86.2709, 69.6317



91.7711, 86.2709, 148.4774

Square

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



66.7892, 86.2709, 69.6317



73.0032, 86.2709, 148.6199



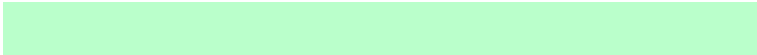
99.3561, 86.2709, 123.3208



91.7027, 86.2709, 54.6387

Rectangle

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



66.7892, 86.2709, 69.6317



65.6181, 86.2709, 113.6398



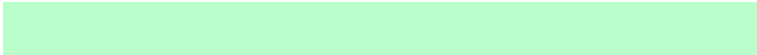
99.3561, 86.2709, 123.3208



100.8991, 86.2709, 76.6497

Sweetspot

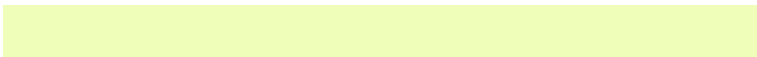
The Sweet Spot groups the original color and five complimentary colors.



66.7899, 86.2712, 69.6331



85.5617, 95.3832, 96.0486



80.1861, 93.3986, 60.2568



17.9551, 20.2416, 20.0664



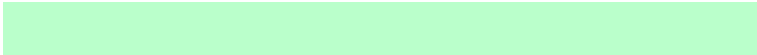
0.0000, 0.0000, 0.0000



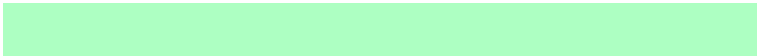
20.3446, 21.4041, 23.3091

Same Dimension

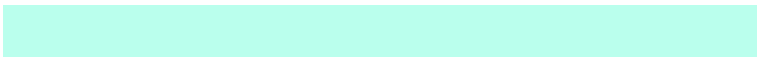
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7899, 86.2712, 69.6331



62.7643, 84.3228, 63.7161



71.2378, 88.0504, 93.0558



17.9551, 20.2416, 20.0664



19.2009, 37.5770, 8.9433



1.9107, 3.6752, 1.0875

Inverse Universe

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



74.2318, 62.5515, 89.0498



71.2406, 57.2928, 85.8213



69.7466, 60.7574, 65.4307



18.5901, 18.2194, 21.7248



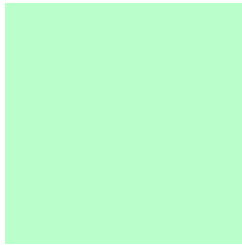
26.5926, 13.1263, 27.5689



2.6325, 1.2954, 2.9122

Previews

White Background



This preview shows how the XYZ color 66.7892, 86.2709, 69.6317 looks on a white background.

Color Contrast Check

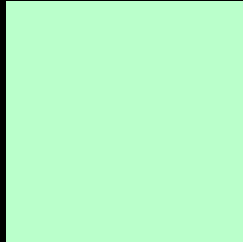
Large Text (above 18pt) WCAG AA × Fail

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 66.7892, 86.2709, 69.6317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

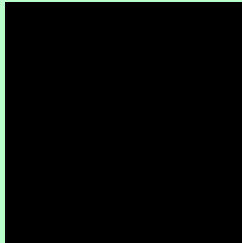
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

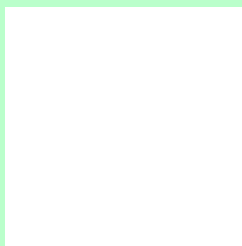
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.7892, 86.2709, 69.6317

Background



This preview shows how black text looks on a background with the XYZ color 66.7892, 86.2709, 69.6317.



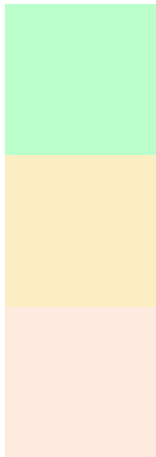
This preview shows how white text looks on a background with the XYZ color 66.7892, 86.2709,

69.6317.

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

66.7892, 86.2709, 69.6317

Protanopia

80.5697, 85.7846, 63.9414

Deuteranopia

84.1174, 85.4875, 82.5883



Tritanopia

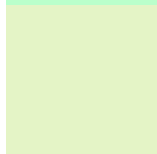
78.4195, 85.9201, 107.0588

Trichromacy



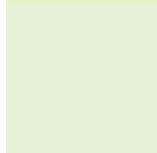
Original Color

66.7892, 86.2709, 69.6317



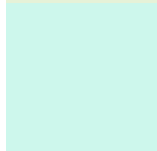
Protanomaly

74.5386, 85.2726, 65.9567



Deuteranomaly

76.7799, 85.2851, 77.3807



Tritanomaly

73.5779, 85.5568, 91.9930

Monochromacy



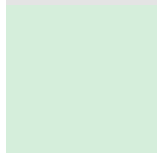
Original Color

66.7892, 86.2709, 69.6317



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.8013, 80.4097, 78.8068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7892, 86.2709, 69.6317 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(186, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 203)  
}
```

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(186, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 66.7892, 86.2709, 69.6317 is called "border". The border property can be set on classes, ids or directly on the HTML element.

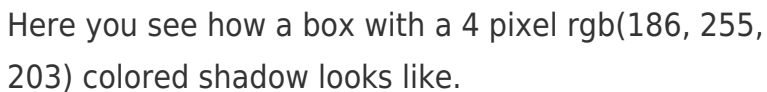
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 255, 203) }
```


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

```
.border{ border-color:rgb(186, 255, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 255, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 255, 203); box-shadow:4px 4px 4px 4px rgb(186, 255, 203) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7892, 86.2709, 69.6317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 203) }
```

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

```
.background{ background-color: rgb(186,  
255, 203) }
```

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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