

Converting Colors

XYZ(66.3767, 86.0226, 71.2227)

Have a look what the booklet for
XYZ(66.3767, 86.0226, 71.2227)
contains.

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Color

**XYZ(66.4290, 86.0435,
71.4994)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FFCE
RGB	183, 255, 206
RGB Percent	72%, 100%, 81%
CMY	0.2823, 0.0000, 0.1921
CMYK	0.28, 0.00, 0.19, 0.00
HSL	139°, 100%, 86%
HSV	139°, 28%, 100%
XYZ	66.4290, 86.0435, 71.4994
YIQ	227.8860, -27.1830, -30.5030

Conversions

Conversions Part 2

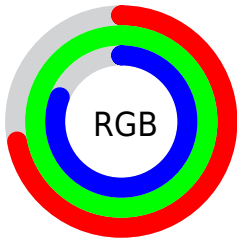
Format	Color
RYB	183, 238, 255
Decimal	12058574
CIELab	94.33, -31.84, 16.39
CIELCh	94, 35.813, 152.768
Yxy	86.0435, 0.2966, 0.3842
Android (android.graphics.Color)	4290248654 (0xFFB7FFCE)
YUV	227.8860, -10.7898, -39.3650
Hunter-Lab	92.7596, -34.4982, 19.2308

Details

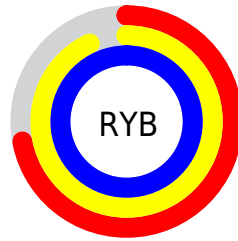
The XYZ color **66.4290, 86.0435, 71.4994** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.7393, 60.9539, 84.2751**, and the grayscale version is **73.7498, 77.5905, 84.4960**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **34.7637, 47.2444, 36.9926** is the 20% darker color. If you saturate the color by 10%, you get **58.9099, 82.3975, 60.7436**, and if you desaturate by 10%, it is **75.2811, 90.3497, 83.5354**.

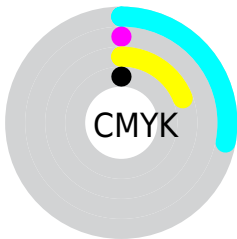
Distribution



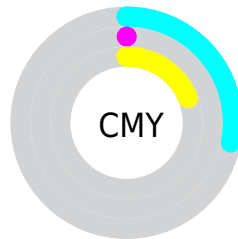
- Red (72%)
- Green (100%)
- Blue (81%)



- Red (72%)
- Yellow (93%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.4290, 86.0435, 71.4994 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 66.4290, 86.0435, 71.4994 by changing the saturation by 10% instead.


 66.4290, 86.0435,
71.4994

 66.4290, 86.0435,
71.4994


437.3741,
515.0746, 484.7279

 48.8897, 64.7039,
52.2655


 113.1562,
141.8302, 123.0456

 34.7462, 47.2211,
36.8331


143.0748,
177.0461, 156.1951

 23.6330, 33.2104,
24.7835


177.8505,
217.6563, 194.8201

 15.1849, 22.2877,
15.6983

217.8488,
264.0451, 239.3392

 9.0364, 14.0685,
9.1589

263.4349,
316.5969, 290.1710

 4.8222, 8.1683,
4.7467

314.9743,

 2.1770, 4.2028,

375.6962, 347.7341

2.0433

372.8322,
441.7273, 412.4469

■ 0.7306, 1.7877,
0.5817

■ 0.0000, 0.4795,
0.0000

■ 66.4290, 86.0435,
71.4994

■ 66.4290, 86.0435,
71.4994

■ 58.9099, 82.3975,
60.7436

■ 75.2811, 90.3497,
83.5354

■ 52.6548, 79.3772,
51.2215

■ 85.5261, 95.3463,
96.8879

■ 47.5915, 76.9461,
42.8897

95.0500, 100.0000,
108.9000

■ 43.6393, 75.0637,
35.7005

■ 40.7070, 73.6840,
29.6032

■ 38.6878, 72.7530,
24.5426

■ 37.4372, 72.1974,
20.4581

■ 37.2626, 72.1210,
19.8325

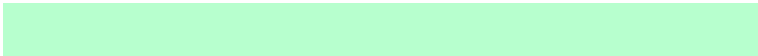
Harmonies

Analogous

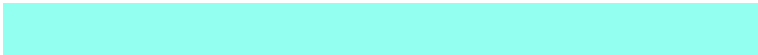
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1839, 86.0435, 55.8647



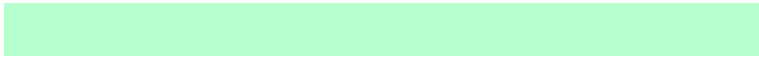
66.4290, 86.0435, 71.4994



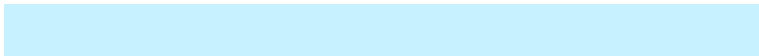
64.6805, 86.0435, 96.2652

Triad

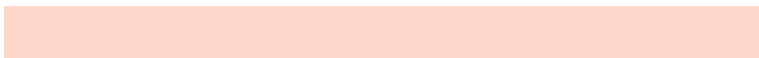
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.4290, 86.0435, 71.4994



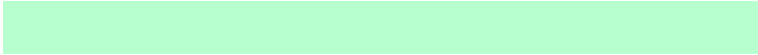
82.6772, 86.0435, 157.1011



98.3224, 86.0435, 67.8667

Complementary

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



66.4290, 86.0435, 71.4994



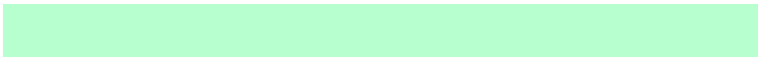
72.7393, 60.9539, 84.2751

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.



101.6593, 86.0435, 91.1547



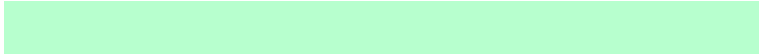
66.4290, 86.0435, 71.4994



92.1948, 86.0435, 145.5963

Square

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



66.4290, 86.0435, 71.4994



73.6151, 86.0435, 149.0515



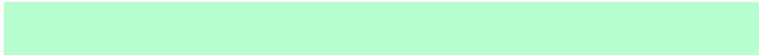
99.3346, 86.0435, 120.0461



90.5311, 86.0435, 54.0740

Rectangle

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



66.4290, 86.0435, 71.4994



65.9009, 86.0435, 115.6927



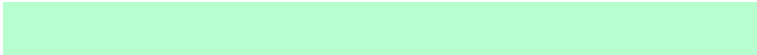
99.3346, 86.0435, 120.0461



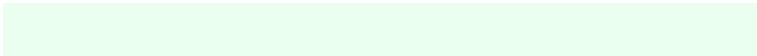
100.0286, 86.0435, 74.6648

Sweetspot

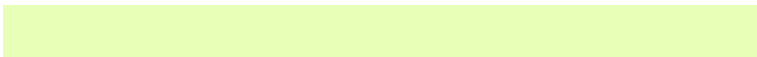
The Sweet Spot groups the original color and five complimentary colors.



66.4297, 86.0438, 71.5008



85.7837, 95.4720, 97.2174



77.6513, 92.1284, 58.4906



18.0107, 20.2638, 20.3591



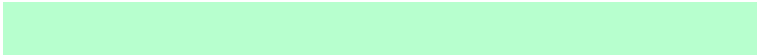
0.0000, 0.0000, 0.0000



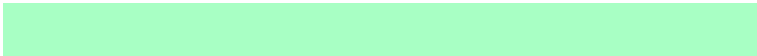
20.3446, 21.4041, 23.3091

Same Dimension

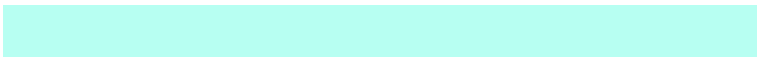
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.4297, 86.0438, 71.5008



61.9359, 83.8632, 65.1456



71.2859, 87.9863, 97.0731



18.0107, 20.2638, 20.3591



19.5303, 37.7087, 10.6776



1.9489, 3.6905, 1.2886

Inverse Universe

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



72.7393, 60.9539, 84.2751



69.2051, 54.9390, 79.8493



68.1606, 59.1224, 60.1641



18.5313, 18.1958, 21.4148



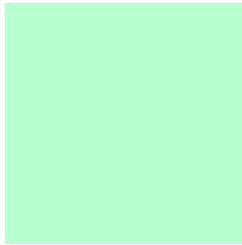
25.5884, 12.7246, 22.2807



2.5413, 1.2589, 2.4317

Previews

White Background



This preview shows how the XYZ color 66.4290, 86.0435, 71.4994 looks on a white background.

Color Contrast Check

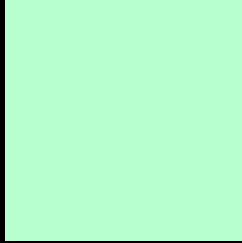
Large Text (above 18pt) WCAG AA × Fail

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 66.4290, 86.0435, 71.4994 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

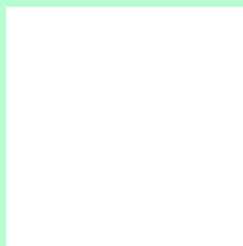
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4290, 86.0435, 71.4994

Background



This preview shows how black text looks on a background with the XYZ color 66.4290, 86.0435, 71.4994.



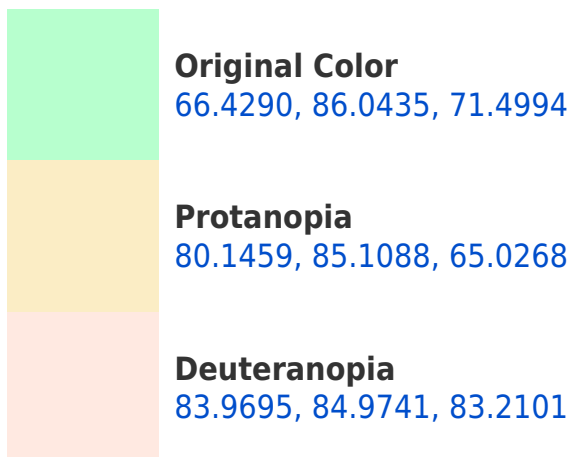
This preview shows how white text looks on a background with the XYZ color 66.4290, 86.0435,

71.4994.

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





Tritanopia

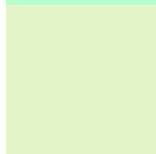
77.8321, 85.6173, 107.0313

Trichromacy



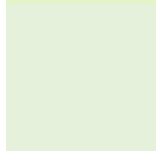
Original Color

66.4290, 86.0435, 71.4994



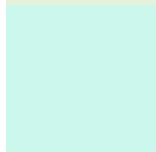
Protanomaly

74.1400, 85.0402, 67.1504



Deuteranomaly

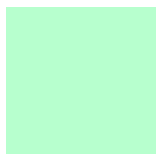
76.4233, 84.6306, 78.6371



Tritanomaly

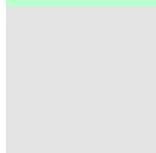
73.1754, 85.3325, 92.7348

Monochromacy



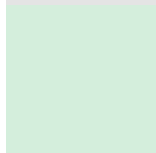
Original Color

66.4290, 86.0435, 71.4994



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.6442, 80.3134, 79.4888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4290, 86.0435, 71.4994 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(183, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 206)  
}
```

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(183, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 66.4290, 86.0435, 71.4994 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(183, 255, 206) }
```


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

```
.border{ border-color:rgb(183, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4290, 86.0435, 71.4994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 206) }
```

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

```
.background{ background-color: rgb(183,  
255, 206) }
```

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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