

Converting Colors

XYZ(66.7348, 79.7839, 85.6935)

Have a look what the booklet for
XYZ(66.7348, 79.7839, 85.6935)
contains.

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Color

**XYZ(66.8813, 79.9802,
86.0415)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDF2E5</code>
RGB	189, 242, 229
RGB Percent	74%, 95%, 90%
CMY	0.2588, 0.0510, 0.1020
CMYK	0.22, 0.00, 0.05, 0.05
HSL	165°, 67%, 85%
HSV	165°, 22%, 95%
XYZ	66.8813, 79.9802, 86.0415
YIQ	224.6710, -27.4150, -15.2790

Conversions

Conversions Part 2

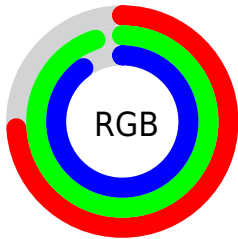
Format	Color
R _{YB}	189, 219, 242
Decimal	12448485
CIE _{Lab}	91.68, -19.40, 0.74
CIE _{LCh}	92, 19.409, 177.802
Yxy	79.9802, 0.2872, 0.3434
Android (android.graphics.Color)	4290638565 (0xFFBDF2E5)
YUV	224.6710, 2.1342, -31.2835
Hunter-Lab	89.4316, -23.0145, 5.5597

Details

The XYZ color **66.8813, 79.9802, 86.0415** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.4791, 59.5389, 63.9216**, and the grayscale version is **71.3330, 75.0478, 81.7271**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.1906, 43.3247, 46.5522** is the 20% darker color. If you saturate the color by 10%, you get **60.5575, 76.8164, 81.4932**, and if you desaturate by 10%, it is **74.2396, 83.6783, 90.7897**.

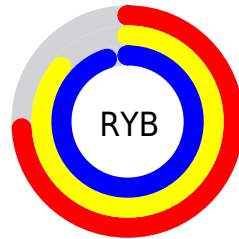
Distribution



Red (74%)

Green (95%)

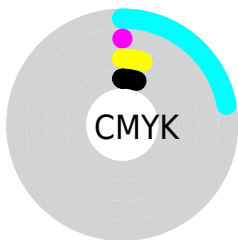
Blue (90%)



Red (74%)

Yellow (86%)

Blue (95%)

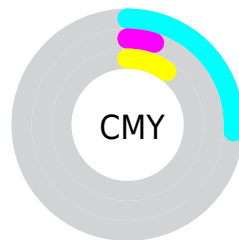


Cyan (22%)

Magenta (0%)

Yellow (5%)

Black (5%)



Cyan (26%)


Magenta (5%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8813, 79.9802, 86.0415 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 66.8813, 79.9802, 86.0415 by changing the saturation by 10% instead.


 66.8813, 79.9802,
86.0415

 66.8813, 79.9802,
86.0415


438.9613,
494.8661, 535.3022

 49.2585, 59.7021,
64.1472


 113.8010,
133.3379, 143.7145

 35.0400, 43.1785,
46.3230

143.8287,
167.1862, 180.3302

 23.8603, 30.0252,
32.1502

178.7221,
206.3268, 222.6901

 15.3542, 19.8577,
21.2105

218.8464,
251.1439, 271.2129

 9.1563, 12.2917,
13.0852

264.5672,
302.0220, 326.3169

 4.9012, 6.9426,
7.3558

316.2497,

 2.2236, 3.4263,

359.3455, 388.4208

3.6038

374.2592,
423.4987, 457.9431

■ 0.7551, 1.3581,
1.4106

■ 0.0000, 0.1855,
0.1500

■ 66.8813, 79.9802,
86.0415

■ 66.8813, 79.9802,
86.0415

■ 60.5575, 76.8164,
81.4932

■ 74.2396, 83.6783,
90.7897

■ 55.2114, 74.1514,
77.1355

■ 82.6722, 87.9246,
95.7358

■ 50.7912, 71.9604,
72.9661

■ 89.7532, 91.4710,
100.7697

■ 47.2373, 70.2128,
68.9810

■ 90.6834, 91.8430,
105.6679

■ 44.4831, 68.8743,
65.1753

■ 91.0436, 91.9871,
107.5645

■ 42.4517, 67.9054,
61.5439

■ 41.0510, 67.2585,
58.0810

■ 40.2628, 66.9108,
55.3933

Harmonies

Analogous

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



68.2305, 79.9802, 73.3265



66.8813, 79.9802, 86.0415



67.8907, 79.9802, 100.4558

Triad

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



66.8813, 79.9802, 86.0415



80.5544, 79.9802, 113.5490



81.2147, 79.9802, 65.9561

Complementary

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



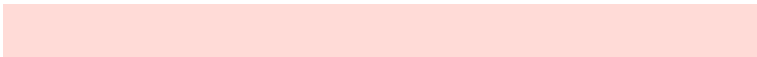
66.8813, 79.9802, 86.0415



65.4791, 59.5389, 63.9216

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.



84.7710, 79.9802, 74.9563



66.8813, 79.9802, 86.0415



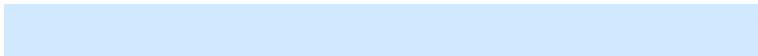
84.3783, 79.9802, 102.4647

Square

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



66.8813, 79.9802, 86.0415



75.6536, 79.9802, 117.3293



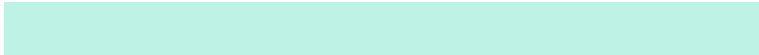
85.9528, 79.9802, 88.1366



76.3851, 79.9802, 62.5432

Rectangle

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



66.8813, 79.9802, 86.0415



69.7910, 79.9802, 108.9274



85.9528, 79.9802, 88.1366



82.6065, 79.9802, 68.3767

Sweetspot

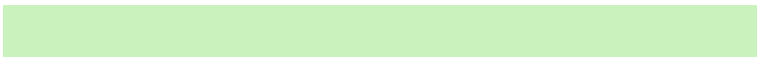
The Sweet Spot groups the original color and five complimentary colors.



66.8836, 79.9835, 86.0433



88.0880, 96.4915, 104.9358



65.3648, 79.7732, 60.0983



18.7321, 20.5916, 22.3885



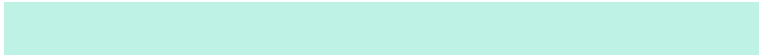
0.0000, 0.0000, 0.0000



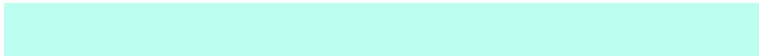
20.3446, 21.4041, 23.3091

Same Dimension

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



66.8836, 79.9835, 86.0433



72.2127, 88.5168, 94.7355



64.9660, 73.1329, 94.7002



16.0720, 17.8588, 19.4018



21.6854, 35.9662, 30.0562



1.8430, 3.0076, 2.7056

Inverse Universe

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



65.4791, 59.5389, 63.9216



70.3884, 61.9324, 65.9799



66.9852, 64.9123, 57.1444



15.9318, 15.8224, 17.1971



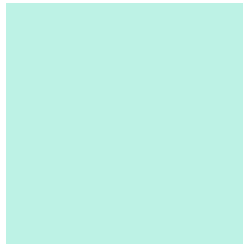
20.1459, 10.3308, 3.4191



1.7141, 0.8747, 0.4856

Previews

White Background



This preview shows how the XYZ color 66.8813, 79.9802, 86.0415 looks on a white background.

Color Contrast Check

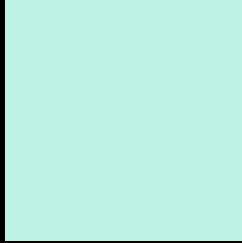
Large Text (above 18pt) WCAG AA × Fail

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 66.8813, 79.9802, 86.0415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

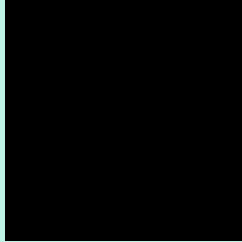
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

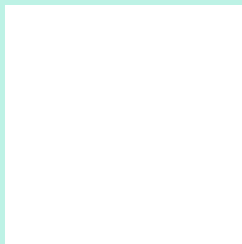
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8813, 79.9802, 86.0415

Background



This preview shows how black text looks on a background with the XYZ color 66.8813, 79.9802, 86.0415.



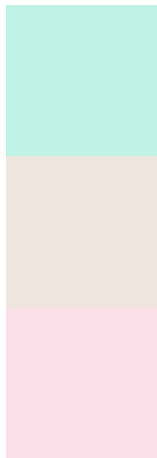
This preview shows how white text looks on a background with the XYZ color 66.8813, 79.9802,

86.0415.

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

66.8813, 79.9802, 86.0415

Protanopia

76.1292, 79.3171, 80.4045

Deuteranopia

80.8793, 79.1678, 88.1089



Tritanopia

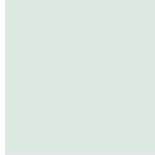
71.3601, 79.6587, 106.2223

Trichromacy



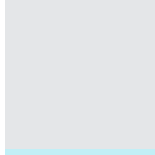
Original Color

66.8813, 79.9802, 86.0415



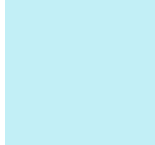
Protanomaly

72.5286, 79.4975, 82.7561



Deuteranomaly

74.8572, 78.9138, 87.6304



Tritanomaly

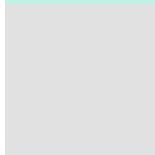
69.7492, 79.8562, 98.9264

Monochromacy



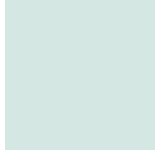
Original Color

66.8813, 79.9802, 86.0415



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.4548, 76.6399, 83.0838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8813, 79.9802, 86.0415 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(189, 242, 229)` looks like.

```
.text, #text, p{  
    color:rgb(189, 242, 229)  
}
```

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(189, 242, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 242, 229) }
```

Border

The CSS property to change the border of an element to XYZ 66.8813, 79.9802, 86.0415 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(189, 242, 229) }
```


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

```
.border{ border-color:rgb(189, 242, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 242, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 242, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 242, 229);  
box-shadow:4px 4px 4px 4px rgb(189, 242,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8813, 79.9802, 86.0415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 242, 229) }
```

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

```
.background{ background-color: rgb(189,  
242, 229) }
```

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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