

Converting Colors

XYZ(66.4669, 80.7044, 85.9467)

Have a look what the booklet for
XYZ(66.4669, 80.7044, 85.9467)
contains.

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Color

**XYZ(66.5011, 80.6728,
86.1952)**

Conversions

Conversions Part 1

Format	Color
Hex	B9F4E5
RGB	185, 244, 229
RGB Percent	73%, 96%, 90%
CMY	0.2745, 0.0431, 0.1020
CMYK	0.24, 0.00, 0.06, 0.04
HSL	165°, 73%, 84%
HSV	165°, 24%, 96%
XYZ	66.5011, 80.6728, 86.1952
YIQ	224.6490, -30.3490, -17.1730

Conversions

Conversions Part 2

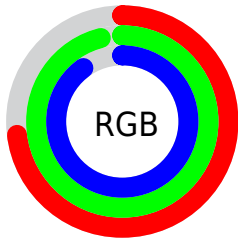
Format	Color
R _Y B	185, 219, 244
Decimal	12186853
CIE Lab	91.99, -21.58, 1.17
CIE LCh	92, 21.607, 176.899
Yxy	80.6728, 0.2850, 0.3457
Android (android.graphics.Color)	4290376933 (0xFFB9F4E5)
YUV	224.6490, 2.1450, -34.7722
Hunter-Lab	89.8180, -25.0205, 5.9741

Details

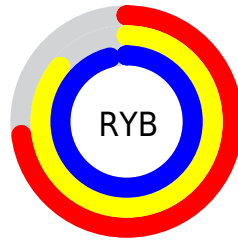
The XYZ color **66.5011, 80.6728, 86.1952** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0853, 58.1032, 62.4315**, and the grayscale version is **71.3186, 75.0327, 81.7106**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **34.9833, 43.8477, 46.6640** is the 20% darker color. If you saturate the color by 10%, you get **60.2619, 77.5568, 81.4627**, and if you desaturate by 10%, it is **73.7860, 84.3285, 91.1417**.

Distribution



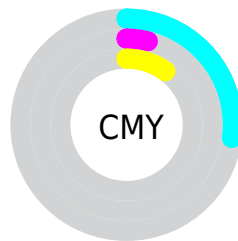
- Red (73%)
- Green (96%)
- Blue (90%)



- Red (73%)
- Yellow (86%)
- Blue (96%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)



- Cyan (27%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5011, 80.6728, 86.1952 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 66.5011, 80.6728, 86.1952 by changing the saturation by 10% instead.

66.5011, 80.6728,
86.1952

66.5011, 80.6728,
86.1952

437.6273,
497.1973, 535.8220

48.9485, 60.2722,
64.2736

113.2590,
134.3112, 143.9308

34.7930, 43.6380,
46.4247

143.1950,
168.3178, 180.5819

23.6692, 30.3860,
32.2300

177.9895,
207.6285, 222.9798

15.2118, 20.1318,
21.2710

218.0079,
252.6277, 271.5432

9.0555, 12.4909,
13.1290

263.6155,
303.6998, 326.6906

4.8348, 7.0789,
7.3857


315.1777,


2.1844, 3.5115,


361.2292, 388.8405


3.6224


373.0599,
425.6002, 458.4115


 0.7345, 1.4042,
1.4206

 0.0000, 0.2199,
0.1577


 66.5011, 80.6728,
86.1952

 66.5011, 80.6728,
86.1952

 60.2619, 77.5568,
81.4627


 73.7860, 84.3285,
91.1417


 55.0097, 74.9440,
76.9346

 82.1579, 88.5389,
96.3007

 50.6902, 72.8085,
72.6085

 90.4758, 92.7178,
101.6221

 47.2413, 71.1183,
68.4797

 91.4527, 93.1085,
106.7664

■ 44.5927, 69.8373,
64.5432

■ 91.6422, 93.1843,
107.7641

■ 42.6632, 68.9237,
60.7935

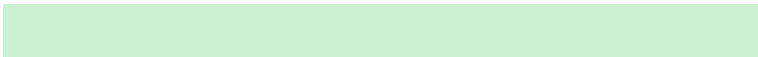
■ 41.3537, 68.3262,
57.2239

■ 40.7915, 68.0800,
55.2250

Harmonies

Analogous

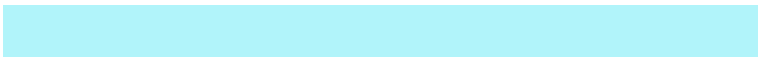
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0751, 80.6728, 72.1741



66.5011, 80.6728, 86.1952



67.5430, 80.6728, 102.4140

Triad

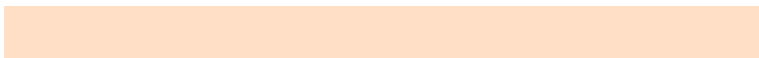
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.5011, 80.6728, 86.1952



81.6103, 80.6728, 118.0317



82.6576, 80.6728, 64.6302

Complementary

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



66.5011, 80.6728, 86.1952



65.0853, 58.1032, 62.4315

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.



86.5996, 80.6728, 74.7168



66.5011, 80.6728, 86.1952



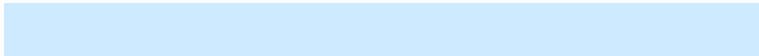
85.9747, 80.6728, 105.6207

Square

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



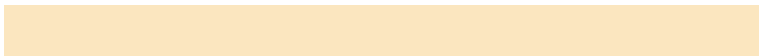
66.5011, 80.6728, 86.1952



76.1010, 80.6728, 122.0511



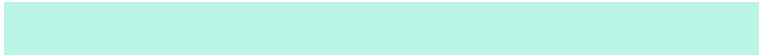
87.8415, 80.6728, 89.5035



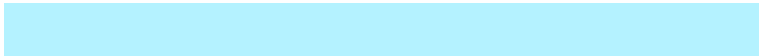
77.2561, 80.6728, 60.7041

Rectangle

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



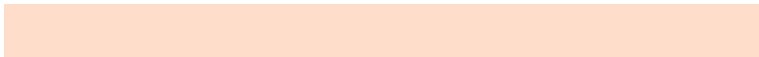
66.5011, 80.6728, 86.1952



69.6098, 80.6728, 112.1138



87.8415, 80.6728, 89.5035



84.2072, 80.6728, 67.3483

Sweetspot

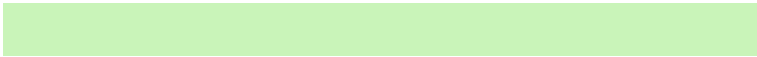
The Sweet Spot groups the original color and five complimentary colors.



66.5034, 80.6761, 86.1970



88.0629, 96.4815, 104.8034



65.1259, 80.5882, 58.0228



18.7263, 20.5892, 22.3578



0.0000, 0.0000, 0.0000



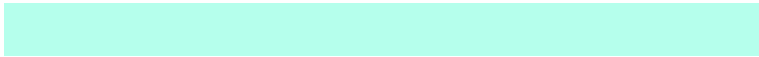
20.3446, 21.4041, 23.3091

Same Dimension

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



66.5034, 80.6761, 86.1970



69.9966, 87.4173, 92.6904



64.7010, 73.5725, 96.3826



16.8062, 18.6816, 20.2636



22.2373, 37.0398, 30.3331



1.9957, 3.2719, 2.8834

Inverse Universe

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



65.0853, 58.1032, 62.4315



68.1823, 58.4914, 62.2504



66.4375, 63.4777, 54.6510



16.6720, 16.5517, 18.0194



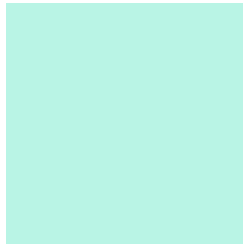
20.8060, 10.6658, 3.6869



1.8686, 0.9534, 0.5342

Previews

White Background



This preview shows how the XYZ color 66.5011, 80.6728, 86.1952 looks on a white background.

Color Contrast Check

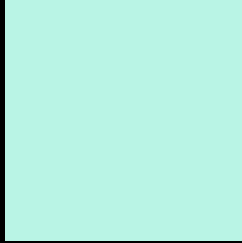
Large Text (above 18pt) WCAG AA × Fail

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 66.5011, 80.6728, 86.1952 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

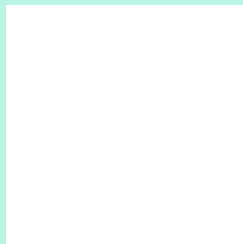
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.5011, 80.6728, 86.1952

Background



This preview shows how black text looks on a background with the XYZ color 66.5011, 80.6728, 86.1952.

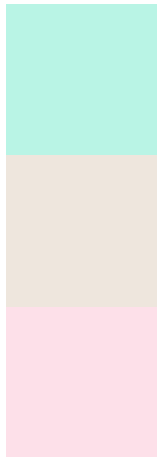


This preview shows how white text looks on a background with the XYZ color 66.5011, 80.6728,

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

66.5011, 80.6728, 86.1952

Protanopia

76.6079, 79.9912, 79.8088

Deuteranopia

81.8716, 80.0771, 88.2321



Tritanopia

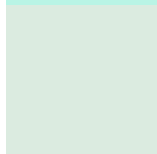
71.6505, 80.2394, 106.3191

Trichromacy



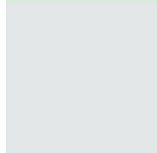
Original Color

66.5011, 80.6728, 86.1952



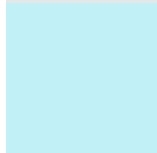
Protanomaly

72.3763, 79.8585, 82.1206



Deuteranomaly

75.1363, 79.4720, 87.7235



Tritanomaly

69.7870, 80.3115, 99.0123

Monochromacy



Original Color

66.5011, 80.6728, 86.1952



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.1624, 76.9059, 83.1506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5011, 80.6728, 86.1952 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(185, 244, 229)` looks like.

```
.text, #text, p{  
    color:rgb(185, 244, 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(185, 244, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 244, 229) }
```

Border

The CSS property to change the border of an element to XYZ 66.5011, 80.6728, 86.1952 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(185, 244, 229) }
```


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

```
.border{ border-color:rgb(185, 244, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 244, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 244, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 244, 229); box-shadow:4px 4px 4px 4px rgb(185, 244, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5011, 80.6728, 86.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 244, 229) }
```

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

```
.background{ background-color: rgb(185,  
244, 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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