

Converting Colors

XYZ(66.1035, 79.7870, 81.6366)

Have a look what the booklet for
XYZ(66.1035, 79.7870, 81.6366)
contains.

XYZ(66.0577, 79.6508, 81.7046)	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(66.0577, 79.6508,
81.7046)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF2DF
RGB	189, 242, 223
RGB Percent	74%, 95%, 87%
CMY	0.2588, 0.0510, 0.1255
CMYK	0.22, 0.00, 0.08, 0.05
HSL	158°, 67%, 85%
HSV	158°, 22%, 95%
XYZ	66.0577, 79.6508, 81.7046
YIQ	223.9870, -25.4890, -17.1450

Conversions

Conversions Part 2

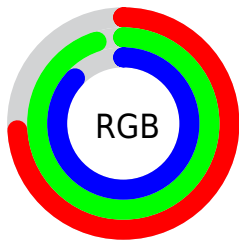
Format	Color
RYB	189, 221, 242
Decimal	12448479
CIELab	91.53, -20.59, 3.65
CIElCh	92, 20.911, 169.949
Yxy	79.6508, 0.2905, 0.3502
Android (android.graphics.Color)	4290638559 (0xFFBDF2DF)
YUV	223.9870, -0.4866, -30.6836
Hunter-Lab	89.2473, -24.0634, 8.1940

Details

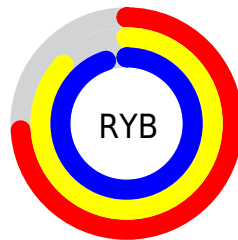
The XYZ color **66.0577, 79.6508, 81.7046** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2035, 59.8286, 67.7367**, and the grayscale version is **70.8605, 74.5508, 81.1858**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **34.6185, 43.0959, 43.5395** is the 20% darker color. If you saturate the color by 10%, you get **59.4086, 76.3570, 75.4435**, and if you desaturate by 10%, it is **73.7728, 83.4916, 88.3319**.

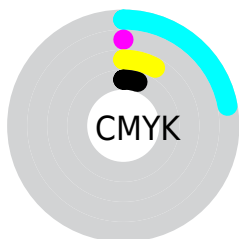
Distribution



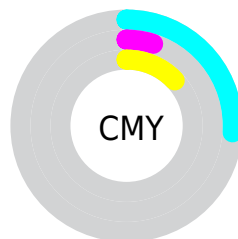
- Red (74%)
- Green (95%)
- Blue (87%)



- Red (74%)
- Yellow (87%)
- Blue (95%)



- Cyan (22%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)



- Cyan (26%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.0577, 79.6508, 81.7046 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 66.0577, 79.6508, 81.7046 by changing the saturation by 10% instead.


 66.0577, 79.6508,
81.7046

 66.0577, 79.6508,
81.7046

436.0686,
493.7552, 520.5165

 48.5871, 59.4310,
60.5877


 112.6264,
132.8747, 137.5926

 34.5053, 42.9602,
43.4641


142.4553,
166.6476, 173.2008

 23.4467, 29.8539,
29.9153


177.1342,
205.7069, 214.4765

 15.0462, 19.7277,
19.5228

217.0287,
250.4372, 261.8383

 8.9384, 12.1973,
11.8680

262.5040,
301.2228, 315.7046

 4.7578, 6.8782,
6.5324

313.9255,

 2.1391, 3.3860,

358.4481, 376.4941

3.0975

371.6586,
422.4974, 444.6252

0.7104, 1.3364,
1.1446

0.0000, 0.1692,
0.0000

66.0577, 79.6508,
81.7046

66.0577, 79.6508,
81.7046

59.4086, 76.3570,
75.4435

73.7728, 83.4916,
88.3319

53.7683, 73.5742,
69.5363

82.5944, 87.8936,
95.3269

49.0843, 71.2777,
63.9775

90.0974, 91.6087,
102.5820

45.2962, 69.4364,
58.7593

91.0436, 91.9872,
107.5645

■ 42.3369, 68.0159,
53.8737

■ 40.1289, 66.9763,
49.3119

■ 38.5792, 66.2698,
45.0643

■ 37.6901, 65.8818,
41.8456

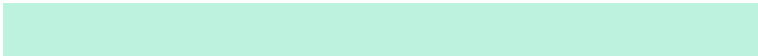
Harmonies

Analogous

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



68.1298, 79.6508, 69.1801



66.0577, 79.6508, 81.7046



66.4764, 79.6508, 97.1288

Triad

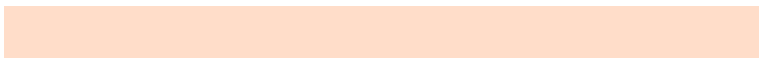
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.0577, 79.6508, 81.7046



79.2558, 79.6508, 117.3397



82.4925, 79.6508, 66.1462

Complementary

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



66.0577, 79.6508, 81.7046



66.2035, 59.8286, 67.7367

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.



85.7520, 79.6508, 77.0942



66.0577, 79.6508, 81.7046



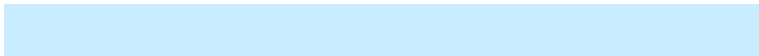
83.8234, 79.6508, 107.0133

Square

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



66.0577, 79.6508, 81.7046



73.9314, 79.6508, 118.9500



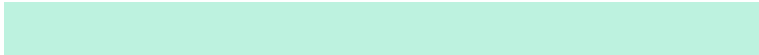
86.2501, 79.6508, 91.9494



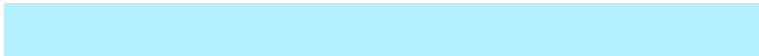
77.5082, 79.6508, 60.9208

Rectangle

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



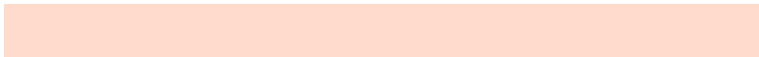
66.0577, 79.6508, 81.7046



68.1188, 79.6508, 106.9671



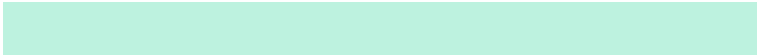
86.2501, 79.6508, 91.9494



83.8360, 79.6508, 69.2147

Sweetspot

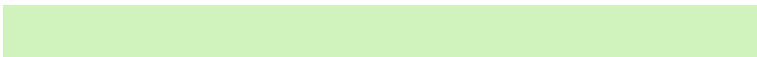
The Sweet Spot groups the original color and five complimentary colors.



66.0599, 79.6541, 81.7064



87.7717, 96.3650, 103.2702



67.0745, 80.6547, 60.1781



18.6588, 20.5622, 22.0022



0.0000, 0.0000, 0.0000



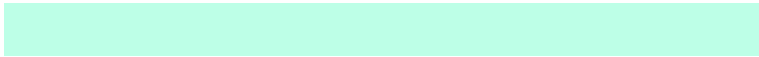
20.3446, 21.4041, 23.3091

Same Dimension

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



66.0599, 79.6541, 81.7064



71.1282, 88.0830, 89.0242



66.7051, 76.6113, 95.2800



15.9928, 17.8272, 18.9851



20.3141, 35.4177, 22.8348



1.7373, 2.9653, 2.1488

Inverse Universe

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



66.2035, 59.8286, 67.7367



71.3163, 62.3035, 70.8660



65.5607, 62.0634, 56.6694



16.0069, 15.8525, 17.5927



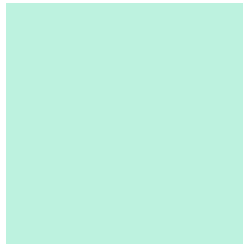
20.6497, 10.5323, 6.0720



1.7638, 0.8945, 0.7468

Previews

White Background



This preview shows how the XYZ color 66.0577, 79.6508, 81.7046 looks on a white background.

Color Contrast Check

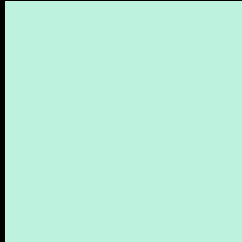
Large Text (above 18pt) WCAG AA × Fail

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 66.0577, 79.6508, 81.7046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

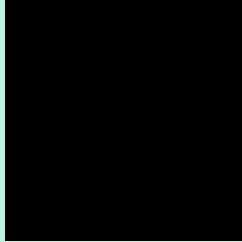
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

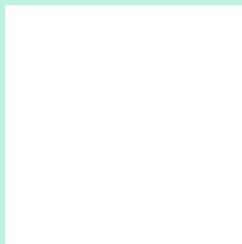
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.0577, 79.6508, 81.7046

Background



This preview shows how black text looks on a background with the XYZ color 66.0577, 79.6508, 81.7046.



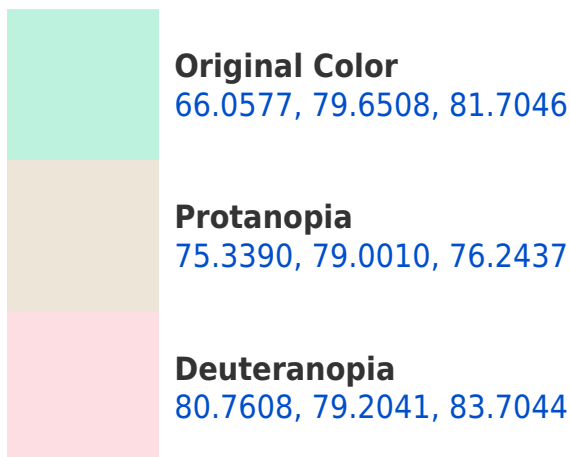
This preview shows how white text looks on a background with the XYZ color 66.0577, 79.6508,

81.7046.

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

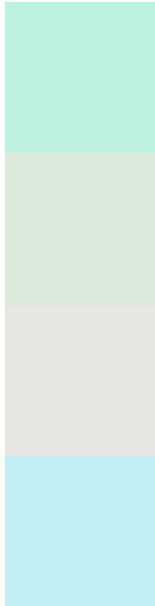




Tritanopia

71.3601, 79.6587, 106.2223

Trichromacy



Original Color

66.0577, 79.6508, 81.7046

Protanomaly

71.7242, 79.1758, 78.5200

Deuteranomaly

74.6574, 78.9076, 83.2473

Tritanomaly

69.2923, 79.6734, 96.5204

Monochromacy



Original Color

66.0577, 79.6508, 81.7046

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

68.8944, 76.3825, 81.6332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.0577, 79.6508, 81.7046 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(189, 242, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 242, 223) }
```

Border

The CSS property to change the border of an element to XYZ 66.0577, 79.6508, 81.7046 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, 223) }
```


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

```
.border{ border-color:rgb(189, 242, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 242, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 242, 223);  
box-shadow:4px 4px 4px 4px rgb(189, 242,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0577, 79.6508, 81.7046 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, 223) }
```

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

```
.background{ background-color: rgb(189,  
242, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor