

Converting Colors

XYZ(66.9465, 83.0464, 81.7712)

Have a look what the booklet for
XYZ(66.9465, 83.0464, 81.7712)
contains.

XYZ(67.0681, 83.3396, 81.6585)	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(67.0681, 83.3396,
81.6585)**

Conversions

Conversions Part 1

Format	Color
Hex	B9F9DE
RGB	185, 249, 222
RGB Percent	73%, 98%, 87%
CMY	0.2745, 0.0235, 0.1294
CMYK	0.26, 0.00, 0.11, 0.02
HSL	155°, 84%, 85%
HSV	155°, 26%, 98%
XYZ	67.0681, 83.3396, 81.6585
YIQ	226.7860, -29.4770, -21.9650

Conversions

Conversions Part 2

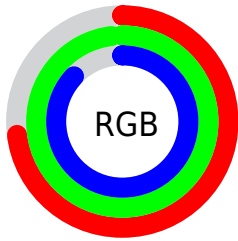
Format	Color
RYB	185, 226, 249
Decimal	12188126
CIELab	93.16, -25.39, 6.50
CIELCh	93, 26.210, 165.635
Yxy	83.3396, 0.2890, 0.3591
Android (android.graphics.Color)	4290378206 (0xFFB9F9DE)
YUV	226.7860, -2.3595, -36.6463
Hunter-Lab	91.2905, -28.6204, 10.8690

Details

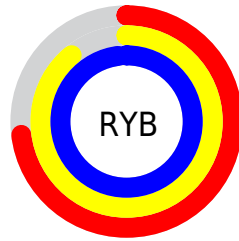
The XYZ color **67.0681, 83.3396, 81.6585** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.3025, 59.5933, 70.1937**, and the grayscale version is **72.8920, 76.6881, 83.5133**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **35.0306, 45.2351, 43.4442** is the 20% darker color. If you saturate the color by 10%, you get **60.2150, 79.9666, 74.2161**, and if you desaturate by 10%, it is **75.0656, 87.2969, 89.6161**.

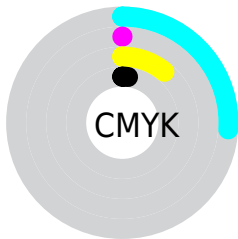
Distribution



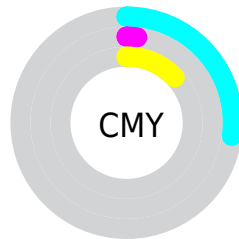
- Red (73%)
- Green (98%)
- Blue (87%)



- Red (73%)
- Yellow (89%)
- Blue (98%)



- Cyan (26%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)




- Cyan (27%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.0681, 83.3396, 81.6585 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 67.0681, 83.3396, 81.6585 by changing the saturation by 10% instead.


 67.0681, 83.3396,
81.6585

 67.0681, 83.3396,
81.6585


439.6158,
506.1176, 520.3581

 49.4109, 62.4703,
60.5499


 114.0672,
138.0510, 137.5274

 35.1614, 45.4129,
43.4338


144.1399,
172.6619, 173.1248

 23.9543, 31.7827,
29.8917

179.0817,
212.6222, 214.3888

 15.4243, 21.1956,
19.5051

219.2580,
258.3162, 261.7381

 9.2060, 13.2671,
11.8553

265.0342,
310.1284, 315.5911

 4.9339, 7.6127,
6.5239

316.7757,

 2.2429, 3.8481,

368.4431, 376.3664

3.0923

374.8478,
433.6447, 444.4826

■ 0.7652, 1.5890,
1.1419

■ 0.0000, 0.3502,
0.0000

■ 67.0681, 83.3396,
81.6585

■ 67.0681, 83.3396,
81.6585

■ 60.2150, 79.9666,
74.2161

■ 75.0656, 87.2969,
89.6161

■ 54.4428, 77.1387,
67.2723

■ 84.2529, 91.8550,
98.0937

■ 49.6925, 74.8277,
60.8176

■ 92.9296, 96.1394,
107.0213

■ 45.8961, 72.9990,
54.8401

■ 93.1672, 96.2344,
108.2724

■ 42.9770, 71.6131,
49.3272

■ 40.8461, 70.6244,
44.2653

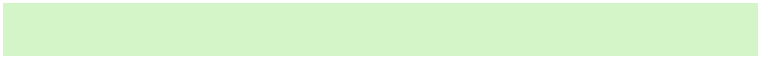
■ 39.3932, 69.9763,
39.6397

■ 38.9073, 69.7665,
37.7805

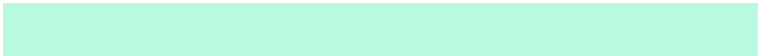
Harmonies

Analogous

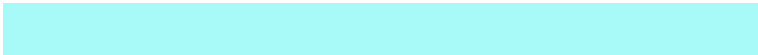
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.1205, 83.3396, 66.7324



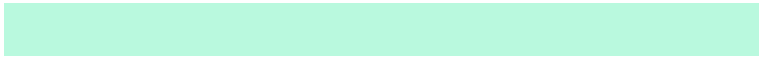
67.0681, 83.3396, 81.6585



67.1361, 83.3396, 101.3480

Triad

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



67.0681, 83.3396, 81.6585



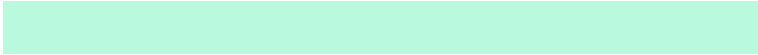
82.8331, 83.3396, 132.3645



88.8327, 83.3396, 66.2494

Complementary

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



67.0681, 83.3396, 81.6585



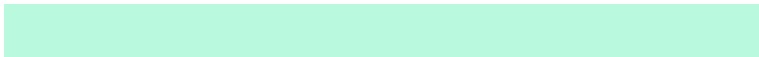
68.3025, 59.5933, 70.1937

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.



92.6551, 83.3396, 80.9043



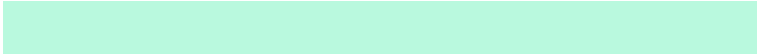
67.0681, 83.3396, 81.6585



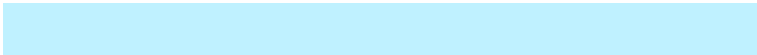
89.0568, 83.3396, 119.9152

Square

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



67.0681, 83.3396, 81.6585



75.9729, 83.3396, 132.6445



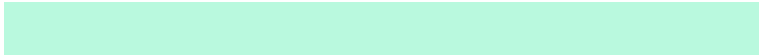
92.7394, 83.3396, 100.4767



82.5415, 83.3396, 58.7495

Rectangle

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



67.0681, 83.3396, 81.6585



68.9331, 83.3396, 114.6702



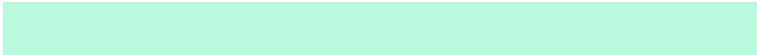
92.7394, 83.3396, 100.4767



90.4645, 83.3396, 70.3991

Sweetspot

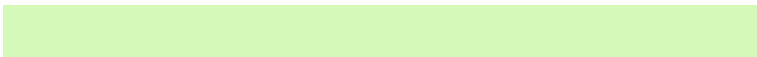
The Sweet Spot groups the original color and five complimentary colors.



67.0704, 83.3430, 81.6604



86.5840, 95.7921, 101.4317



69.9987, 85.3641, 58.6878



18.2118, 20.3443, 21.4186



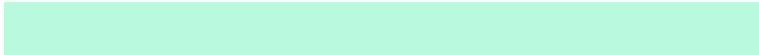
0.0000, 0.0000, 0.0000



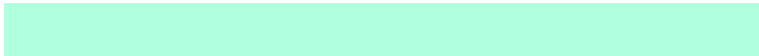
20.3446, 21.4041, 23.3091

Same Dimension

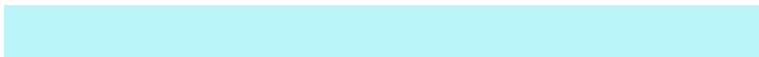
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.0704, 83.3430, 81.6604



66.7909, 85.9994, 81.9397



69.6810, 82.3009, 101.8397



17.4381, 19.4775, 20.5076



20.8981, 37.3722, 20.6045



1.9885, 3.4825, 2.1872

Inverse Universe

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



68.3025, 59.5933, 70.1937



68.3016, 56.9095, 67.9024



66.0814, 60.1546, 54.0283



17.5484, 17.3467, 19.4779



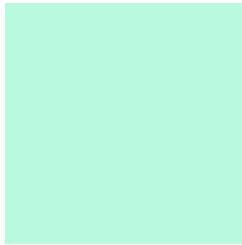
22.3456, 11.3540, 8.5286



2.1213, 1.0722, 1.0620

Previews

White Background



This preview shows how the XYZ color 67.0681, 83.3396, 81.6585 looks on a white background.

Color Contrast Check

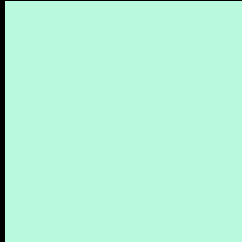
Large Text (above 18pt) WCAG AA × Fail

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 67.0681, 83.3396, 81.6585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

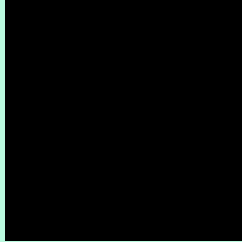
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

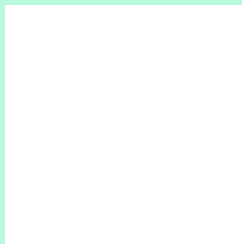
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.0681, 83.3396, 81.6585

Background



This preview shows how black text looks on a background with the XYZ color 67.0681, 83.3396, 81.6585.



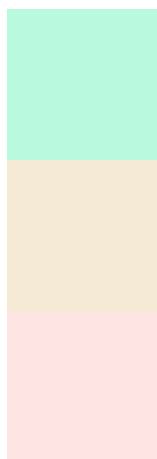
This preview shows how white text looks on a background with the XYZ color 67.0681, 83.3396,

81.6585.

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

67.0681, 83.3396, 81.6585

Protanopia

78.8686, 82.9338, 75.4693

Deuteranopia

82.9870, 82.3482, 84.9197



Tritanopia

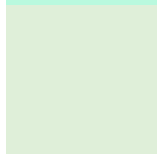
74.9589, 83.2524, 106.7263

Trichromacy



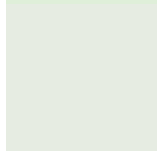
Original Color

67.0681, 83.3396, 81.6585



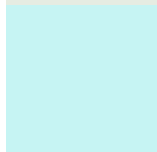
Protanomaly

73.8223, 82.4307, 77.6655



Deuteranomaly

76.3560, 82.3049, 83.8135



Tritanomaly

71.8170, 83.1782, 97.0639

Monochromacy



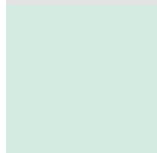
Original Color

67.0681, 83.3396, 81.6585



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.4503, 78.8500, 82.7406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0681, 83.3396, 81.6585 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, 249, 222)` looks like.

```
.text, #text, p{  
    color:rgb(185, 249, 222)  
}
```

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, 249, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 249, 222) }
```

Border

The CSS property to change the border of an element to XYZ 67.0681, 83.3396, 81.6585 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, 249, 222) }
```


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

```
.border{ border-color:rgb(185, 249, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 249, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 249, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 249, 222);  
box-shadow:4px 4px 4px 4px rgb(185, 249,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0681, 83.3396, 81.6585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 249, 222) }
```

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

```
.background{ background-color: rgb(185,  
249, 222) }
```

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