

Converting Colors

XYZ(67.9142, 82.8733, 93.2237)

Have a look what the booklet for
XYZ(67.9142, 82.8733, 93.2237)
contains.

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Color

**XYZ(68.0561, 83.1316,
93.3480)**

Conversions

Conversions Part 1

Format	Color
Hex	B5F8EE
RGB	181, 248, 238
RGB Percent	71%, 97%, 93%
CMY	0.2902, 0.0274, 0.0667
CMYK	0.27, 0.00, 0.04, 0.03
HSL	171°, 83%, 84%
HSV	171°, 27%, 97%
XYZ	68.0561, 83.1316, 93.3480
YIQ	226.8270, -36.7220, -17.3140

Conversions

Conversions Part 2

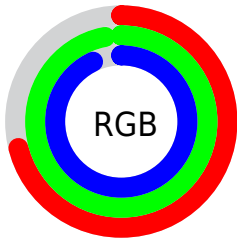
Format	Color
R _Y B	181, 217, 248
Decimal	11925742
CIE Lab	93.07, -22.82, -1.94
CIE LCh	93, 22.906, 184.861
Yxy	83.1316, 0.2783, 0.3400
Android (android.graphics.Color)	4290115822 (0xFFB5F8EE)
YUV	226.8270, 5.5083, -40.1903
Hunter-Lab	91.1765, -26.3227, 3.1215

Details

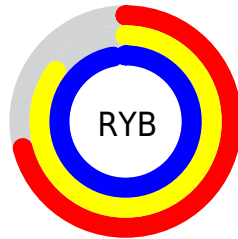
The XYZ color **68.0561, 83.1316, 93.3480** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6422, 56.7681, 56.8440**, and the grayscale version is **72.8703, 76.6652, 83.4884**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **35.6785, 45.0746, 51.0758** is the 20% darker color. If you saturate the color by 10%, you get **62.2127, 80.1836, 90.2655**, and if you desaturate by 10%, it is **74.9505, 86.6245, 96.5416**.

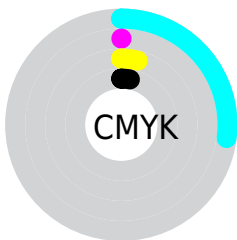
Distribution



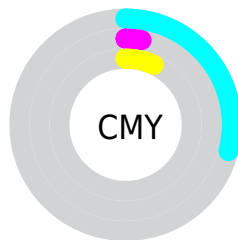
- Red (71%)
- Green (97%)
- Blue (93%)



- Red (71%)
- Yellow (85%)
- Blue (97%)



- Cyan (27%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)



- Cyan (29%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0561, 83.1316, 93.3480 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 68.0561, 83.1316, 93.3480 by changing the saturation by 10% instead.

68.0561, 83.1316,
93.3480

68.0561, 83.1316,
93.3480

443.0684,
505.4250, 559.7113

50.2172, 62.2987,
70.1715

115.4739,
137.7598, 153.9562

35.8045, 45.2741,
51.1887

145.7835,
172.3238, 192.2250

24.4527, 31.6734,
35.9810

180.9807,
212.2338, 236.3616

15.7963, 21.1122,
24.1300

221.4308,
257.8739, 286.7846

9.4701, 13.2060,
15.2170

267.4993,
309.6288, 343.9125

5.1086, 7.5706,
8.8235

319.5515,

2.3465, 3.8214,

367.8826, 408.1640

4.5310

377.9528,
433.0199, 479.9574

■ 0.8183, 1.5742,
1.9209

■ 0.0000, 0.3401,
0.5060

■ 68.0561, 83.1316,
93.3480

■ 68.0561, 83.1316,
93.3480

■ 62.2127, 80.1836,
90.2655

■ 74.9505, 86.6245,
96.5416

■ 57.3582, 77.7419,
87.2856

■ 82.9398, 90.6783,
99.8435

■ 53.4350, 75.7791,
84.4070

■ 91.9248, 95.2441,
103.2511

■ 50.3764, 74.2607,
81.6262

■ 92.5085, 95.4776,
106.3249

■ 48.1069, 73.1479,
78.9393

■ 92.8589, 95.6177,
108.1696

■ 46.5378, 72.3948,
76.3419

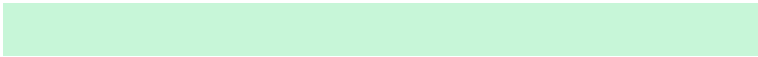
■ 45.5557, 71.9432,
73.8282

■ 45.3241, 71.8398,
73.0920

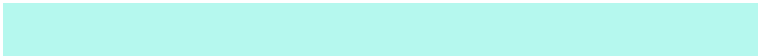
Harmonies

Analogous

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



69.0133, 83.1316, 77.1795



68.0561, 83.1316, 93.3480



69.9113, 83.1316, 110.7687

Triad

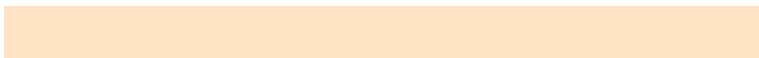
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0561, 83.1316, 93.3480



85.8010, 83.1316, 120.4592



84.0226, 83.1316, 63.7536

Complementary

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



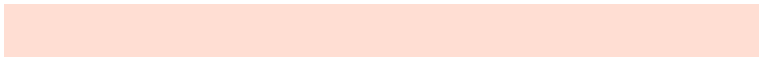
68.0561, 83.1316, 93.3480



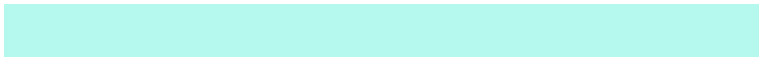
64.6422, 56.7681, 56.8440

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.



88.8746, 83.1316, 72.8961



68.0561, 83.1316, 93.3480



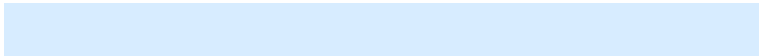
89.9372, 83.1316, 105.3070

Square

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



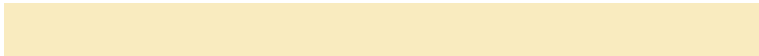
68.0561, 83.1316, 93.3480



79.9968, 83.1316, 127.6348



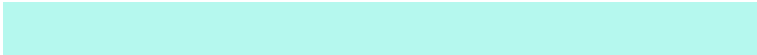
91.0894, 83.1316, 87.7422



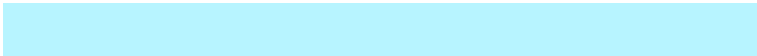
78.0395, 83.1316, 61.3973

Rectangle

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



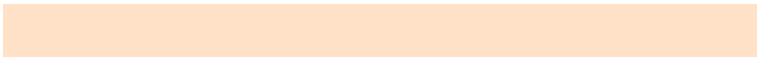
68.0561, 83.1316, 93.3480



72.5515, 83.1316, 120.3479



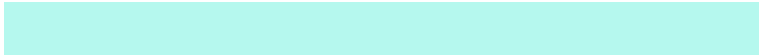
91.0894, 83.1316, 87.7422



85.8495, 83.1316, 66.0728

Sweetspot

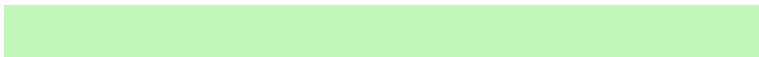
The Sweet Spot groups the original color and five complimentary colors.



68.0585, 83.1350, 93.3499



87.4525, 96.1395, 106.0051



63.4089, 81.5573, 56.1178



18.4314, 20.4321, 22.5748



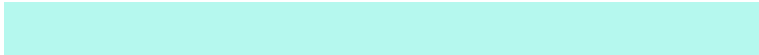
0.0000, 0.0000, 0.0000



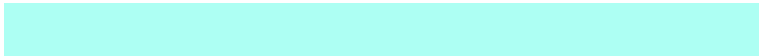
20.3446, 21.4041, 23.3091

Same Dimension

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



68.0585, 83.1350, 93.3499



69.2323, 86.9100, 97.7761



62.8056, 70.2114, 99.0527



17.6479, 19.5614, 21.6123



24.5246, 38.8229, 39.7015



2.3007, 3.6074, 3.8313

Inverse Universe

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



64.6422, 56.7681, 56.8440



65.0790, 54.8282, 53.3748



68.7547, 66.6953, 52.9674



17.3502, 17.2674, 18.4339



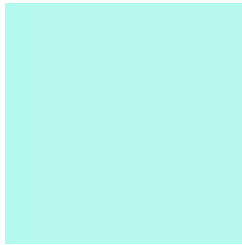
21.1236, 10.8652, 2.0933



1.9869, 1.0185, 0.3542

Previews

White Background



This preview shows how the XYZ color 68.0561, 83.1316, 93.3480 looks on a white background.

Color Contrast Check

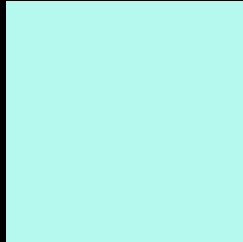
Large Text (above 18pt) WCAG AA × Fail

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 68.0561, 83.1316, 93.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

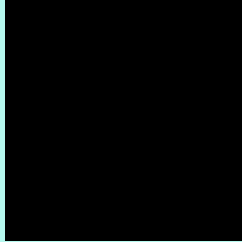
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0561, 83.1316, 93.3480

Background



This preview shows how black text looks on a background with the XYZ color 68.0561, 83.1316, 93.3480.



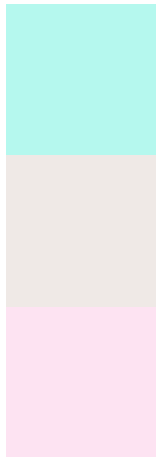
This preview shows how white text looks on a background with the XYZ color 68.0561, 83.1316,

93.3480.

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

68.0561, 83.1316, 93.3480

Protanopia

79.0184, 82.3417, 86.5917

Deuteranopia

84.0041, 82.2316, 95.4492



Tritanopia

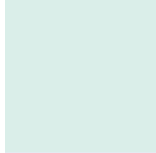
74.1339, 82.8271, 106.6877

Trichromacy



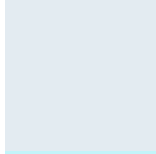
Original Color

68.0561, 83.1316, 93.3480



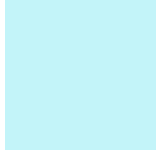
Protanomaly

74.1960, 81.9377, 88.9958



Deuteranomaly

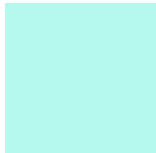
77.2641, 82.0984, 94.9934



Tritanomaly

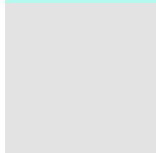
71.9552, 83.1430, 101.8783

Monochromacy



Original Color

68.0561, 83.1316, 93.3480



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.7105, 78.8878, 87.1013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0561, 83.1316, 93.3480 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(181, 248, 238)` looks like.

```
.text, #text, p{  
    color:rgb(181, 248, 238)  
}
```

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(181, 248, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 248, 238) }
```

Border

The CSS property to change the border of an element to XYZ 68.0561, 83.1316, 93.3480 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(181, 248, 238) }
```


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

```
.border{ border-color:rgb(181, 248, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 248, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 248, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 248, 238);  
box-shadow:4px 4px 4px 4px rgb(181, 248,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0561, 83.1316, 93.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 248, 238) }
```

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

```
.background{ background-color: rgb(181,  
248, 238) }
```

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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