

Converting Colors

XYZ(68.6174, 81.2872,
101.1328)

Have a look what the booklet for
XYZ(68.6174, 81.2872, 101.1328)
contains.

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Color

**XYZ(68.5854, 81.4238,
100.9085)**

Conversions

Conversions Part 1

Format	Color
Hex	B6F4F8
RGB	182, 244, 248
RGB Percent	71%, 96%, 97%
CMY	0.2863, 0.0431, 0.0274
CMYK	0.27, 0.02, 0.00, 0.03
HSL	184°, 83%, 84%
HSV	184°, 27%, 97%
XYZ	68.5854, 81.4238, 100.9085
YIQ	225.9180, -38.2360, -11.9000

Conversions

Conversions Part 2

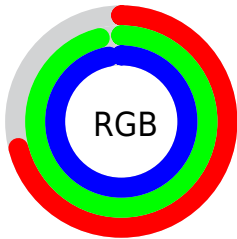
Format	Color
R _Y B	182, 214, 248
Decimal	11990264
CIE Lab	92.32, -18.43, -8.23
CIE LCh	92, 20.182, 204.081
Yxy	81.4238, 0.2733, 0.3245
Android (android.graphics.Color)	4290180344 (0xFFB6F4F8)
YUV	225.9180, 10.8864, -38.5161
Hunter-Lab	90.2351, -22.2382, -3.1385

Details

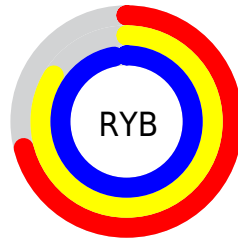
The XYZ color **68.5854, 81.4238, 100.9085** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.7148, 58.4522, 52.1293**, and the grayscale version is **72.1751, 75.9338, 82.6919**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **36.2500, 44.2842, 56.5063** is the 20% darker color. If you saturate the color by 10%, you get **62.7898, 77.7699, 100.5100**, and if you desaturate by 10%, it is **75.4267, 85.6263, 101.3604**.

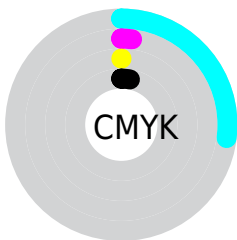
Distribution



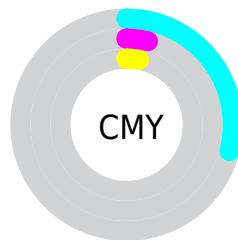
- Red (71%)
- Green (96%)
- Blue (97%)



- Red (71%)
- Yellow (84%)
- Blue (97%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (29%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5854, 81.4238, 100.9085 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 68.5854, 81.4238, 100.9085 by changing the saturation by 10% instead.

68.5854, 81.4238,
100.9085

68.5854, 81.4238,
100.9085

444.9116,
499.7183, 584.3730

50.6495, 60.8907,
76.4384

116.2265,
135.3657, 164.4679

36.1497, 44.1370,
56.2832

146.6625,
169.5432, 204.3942

24.7205, 30.7782,
40.0245

181.9959,
209.0378, 250.3096

15.9965, 20.4300,
27.2437

222.5921,
254.2336, 302.6328

9.6125, 12.7080,
17.5223

268.8164,
305.5152, 361.7822

5.2031, 7.2278,
10.4417

321.0342,

2.4029, 3.6050,

363.2669, 428.1763

5.5834

379.6108,
427.8731, 502.2337

■ 0.8466, 1.4551,
2.5288

■ 0.0000, 0.2568,
0.8554

■ 68.5854, 81.4238,
100.9085

■ 68.5854, 81.4238,
100.9085

■ 62.7898, 77.7699,
100.5100

■ 75.4267, 85.6263,
101.3604

■ 57.9779, 74.6266,
100.1569

■ 83.3571, 90.3937,
101.8627

■ 54.0924, 71.9662,
99.8482

■ 91.9081, 95.4866,
102.3950

■ 51.0671, 69.7547,
99.5808

■ 92.3730, 96.4164,
102.5500

48.8268, 67.9534,
99.3512

92.8416, 97.3536,
102.7062

47.2836, 66.5168,
99.1552

93.3140, 98.2983,
102.8636

46.3268, 65.3879,
98.9878

93.7901, 99.2505,
103.0223

46.0774, 65.0452,
98.9348

93.9435, 99.5574,
103.0735

Harmonies

Analogous

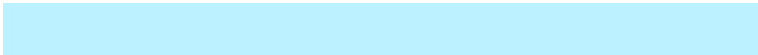
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8317, 81.4238, 85.7255



68.5854, 81.4238, 100.9085



71.6515, 81.4238, 114.0292

Triad

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



68.5854, 81.4238, 100.9085



85.8060, 81.4238, 106.6092



78.4305, 81.4238, 63.0312

Complementary

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



68.5854, 81.4238, 100.9085



64.7148, 58.4522, 52.1293

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.



83.4288, 81.4238, 67.3582



68.5854, 81.4238, 100.9085



87.8084, 81.4238, 91.6539

Square

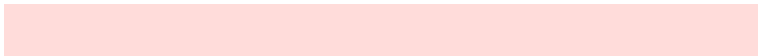
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5854, 81.4238, 100.9085



81.5583, 81.4238, 117.5708



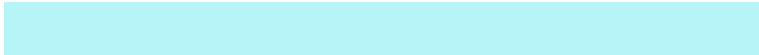
86.9195, 81.4238, 77.4390



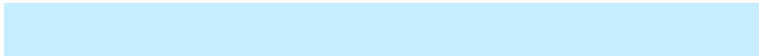
73.3679, 81.4238, 64.9202

Rectangle

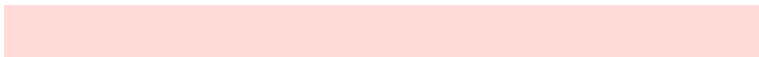
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.5854, 81.4238, 100.9085



74.6708, 81.4238, 119.2676



86.9195, 81.4238, 77.4390



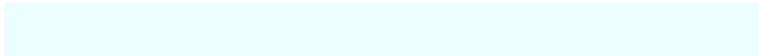
80.1763, 81.4238, 63.7902

Sweetspot

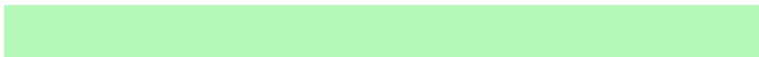
The Sweet Spot groups the original color and five complimentary colors.



68.5878, 81.4271, 100.9104



87.5462, 95.5484, 108.4363



61.6491, 80.5969, 58.3744



18.4551, 20.2818, 23.1920



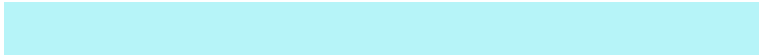
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



68.5878, 81.4271, 100.9104



69.5759, 84.5573, 107.2619



59.7049, 63.6613, 97.9494



17.6705, 19.4179, 22.2020



24.9287, 35.2129, 53.4565



2.3354, 3.3144, 4.9598

Inverse Universe

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



71.7705, 59.9459, 93.3797



73.5248, 58.2066, 97.8501



72.3057, 73.6341, 54.6596



17.9450, 17.5054, 21.5660



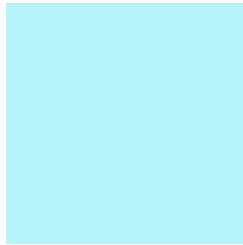
28.8749, 13.9657, 42.9110



2.6877, 1.2988, 4.0448

Previews

White Background



This preview shows how the XYZ color 68.5854, 81.4238, 100.9085 looks on a white background.

Color Contrast Check

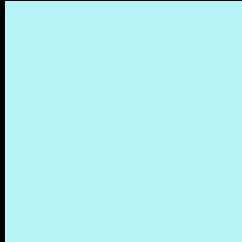
Large Text (above 18pt) WCAG AA × Fail

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 68.5854, 81.4238, 100.9085 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 68.5854, 81.4238, 100.9085

Background



This preview shows how black text looks on a background with the XYZ color 68.5854, 81.4238, 100.9085.

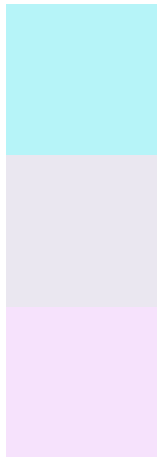


This preview shows how white text looks on a background with the XYZ color 68.5854, 81.4238,

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

68.5854, 81.4238, 100.9085

Protanopia

78.2358, 80.9355, 93.9367

Deuteranopia

82.7731, 81.0138, 103.3701



Tritanopia

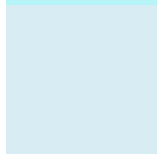
72.2360, 81.4105, 106.5143

Trichromacy



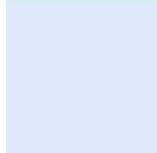
Original Color

68.5854, 81.4238, 100.9085



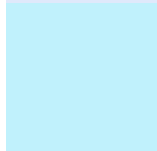
Protanomaly

74.1974, 80.9090, 96.5004



Deuteranomaly

76.9829, 80.9308, 102.8306



Tritanomaly

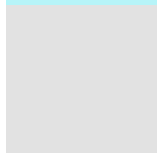
70.7642, 81.1453, 104.0284

Monochromacy



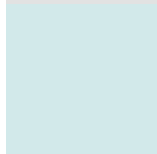
Original Color

68.5854, 81.4238, 100.9085



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.5685, 77.9200, 89.1626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5854, 81.4238, 100.9085 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(182, 244, 248)` looks like.

```
.text, #text, p{  
    color:rgb(182, 244, 248)  
}
```

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(182, 244, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 244, 248) }
```

Border

The CSS property to change the border of an element to XYZ 68.5854, 81.4238, 100.9085 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(182, 244, 248) }
```


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

```
.border{ border-color:rgb(182, 244, 248) }
```

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

Here you see how a box with a 4 pixel rgb(182, 244, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 244, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 244, 248);  
box-shadow:4px 4px 4px 4px rgb(182, 244,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5854, 81.4238, 100.9085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 244, 248) }
```

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

```
.background{ background-color: rgb(182,  
244, 248) }
```

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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