

Converting Colors

XYZ(64.7028, 80.2882, 82.0188)

Have a look what the booklet for
XYZ(64.7028, 80.2882, 82.0188)
contains.

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Color

**XYZ(64.7941, 80.3358,
81.9034)**

Conversions

Conversions Part 1

Format	Color
Hex	B4F5DF
RGB	180, 245, 223
RGB Percent	71%, 96%, 87%
CMY	0.2941, 0.0392, 0.1255
CMYK	0.27, 0.00, 0.09, 0.04
HSL	160°, 76%, 83%
HSV	160°, 27%, 96%
XYZ	64.7941, 80.3358, 81.9034
YIQ	223.0570, -31.6780, -20.6220

Conversions

Conversions Part 2

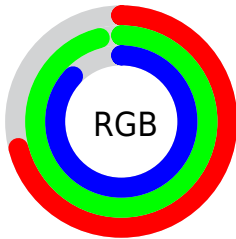
Format	Color
R _{YB}	180, 219, 245
Decimal	11859423
CIE Lab	91.84, -24.76, 4.03
CIE LCh	92, 25.083, 170.749
Yxy	80.3358, 0.2854, 0.3539
Android (android.graphics.Color)	4290049503 (0xFFB4F5DF)
YUV	223.0570, -0.0281, -37.7610
Hunter-Lab	89.6302, -27.8145, 8.5624

Details

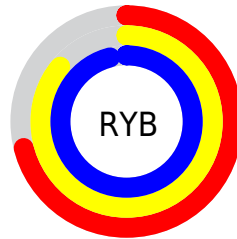
The XYZ color **64.7941, 80.3358, 81.9034** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6409, 56.3214, 63.3447**, and the grayscale version is **70.1979, 73.8536, 80.4266**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **33.8697, 43.6580, 43.6875** is the 20% darker color. If you saturate the color by 10%, you get **58.4963, 77.2174, 75.9152**, and if you desaturate by 10%, it is **72.1593, 84.0025, 88.2309**.

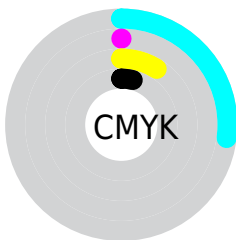
Distribution



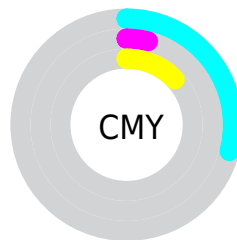
- Red (71%)
- Green (96%)
- Blue (87%)



- Red (71%)
- Yellow (86%)
- Blue (96%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (29%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7941, 80.3358, 81.9034 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 64.7941, 80.3358, 81.9034 by changing the saturation by 10% instead.


 64.7941, 80.3358,
81.9034

 64.7941, 80.3358,
81.9034


431.6086,
496.0638, 521.1995

 47.5582, 59.9947,
60.7506


 110.8211,
133.8377, 137.8740

 33.6870, 43.4144,
43.5946


140.3430,
167.7674, 173.5288

 22.8150, 30.2104,
30.0171


174.6909,
206.9954, 214.8547

 14.5769, 19.9983,
19.5994

214.2302,
251.9061, 262.2703

 8.6074, 12.3938,
11.9230

259.3263,
302.8838, 316.1940

 4.5410, 7.0125,
6.5694

310.3445,

 2.0125, 3.4699,

360.3131, 377.0444

3.1200

367.6501,
424.5783, 445.2400

■ 0.6410, 1.3817,
1.1562

■ 0.0000, 0.2032,
0.0000

■ 64.7941, 80.3358,
81.9034

■ 64.7941, 80.3358,
81.9034

■ 58.4963, 77.2174,
75.9152

■ 72.1593, 84.0025,
88.2309

■ 53.2053, 74.6096,
70.2543

■ 80.6351, 88.2331,
94.8986

■ 48.8646, 72.4855,
64.9156

■ 90.2705, 93.0550,
101.9144

■ 45.4091, 70.8118,
59.8918

■ 91.9438, 93.7877,
107.8646

■ 42.7654, 69.5505,
55.1753

■ 40.8473, 68.6575,
50.7575

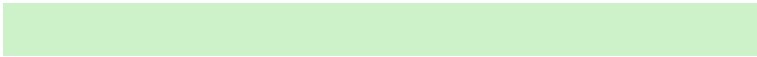
■ 39.5471, 68.0773,
46.6288

■ 39.1818, 67.9189,
45.2605

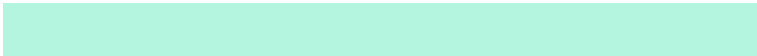
Harmonies

Analogous

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



67.1785, 80.3358, 66.9297



64.7941, 80.3358, 81.9034



65.3704, 80.3358, 100.6238

Triad

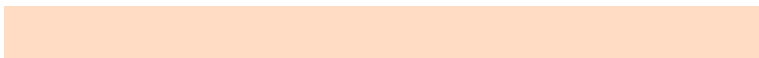
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.7941, 80.3358, 81.9034



80.8206, 80.3358, 124.9314



84.4483, 80.3358, 62.8208

Complementary

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



64.7941, 80.3358, 81.9034



64.6409, 56.3214, 63.3447

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.



88.5099, 80.3358, 75.5193



64.7941, 80.3358, 81.9034



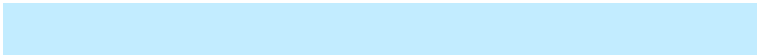
86.3352, 80.3358, 111.8386

Square

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



64.7941, 80.3358, 81.9034



74.3868, 80.3358, 127.2742



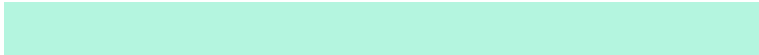
89.2192, 80.3358, 93.2875



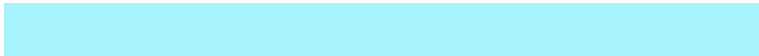
78.3612, 80.3358, 56.9757

Rectangle

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



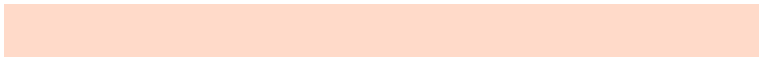
64.7941, 80.3358, 81.9034



67.3695, 80.3358, 112.6764



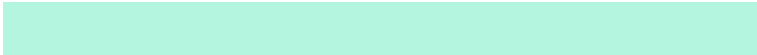
89.2192, 80.3358, 93.2875



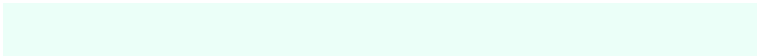
86.1098, 80.3358, 66.3379

Sweetspot

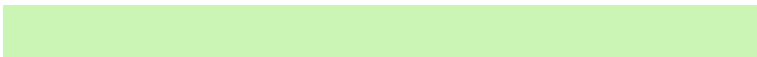
The Sweet Spot groups the original color and five complimentary colors.



64.7964, 80.3391, 81.9052



86.8470, 95.8973, 102.8167



65.4538, 81.2650, 55.4173



18.2782, 20.3708, 21.7680



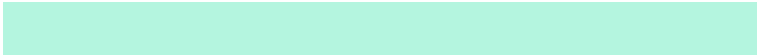
0.0000, 0.0000, 0.0000



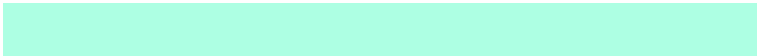
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7964, 80.3391, 81.9052



66.9997, 86.0169, 86.0192



65.0864, 75.8589, 97.6018



16.7444, 18.6569, 19.9383



21.1744, 36.6146, 24.7359



1.9089, 3.2372, 2.4261

Inverse Universe

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



64.6409, 56.3214, 63.3447



66.8055, 55.5188, 62.4666



64.2563, 59.4287, 51.2656



16.7306, 16.5751, 18.3277



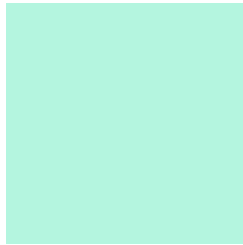
21.1837, 10.8169, 5.6756



1.9079, 0.9691, 0.7415

Previews

White Background



This preview shows how the XYZ color 64.7941, 80.3358, 81.9034 looks on a white background.

Color Contrast Check

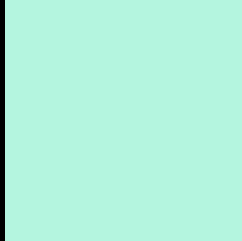
Large Text (above 18pt) WCAG AA × Fail

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 64.7941, 80.3358, 81.9034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

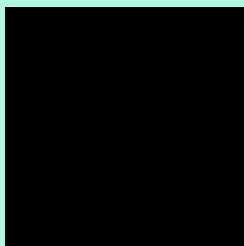
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

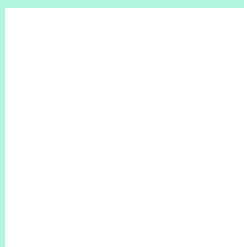
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7941, 80.3358, 81.9034

Background



This preview shows how black text looks on a background with the XYZ color 64.7941, 80.3358, 81.9034.

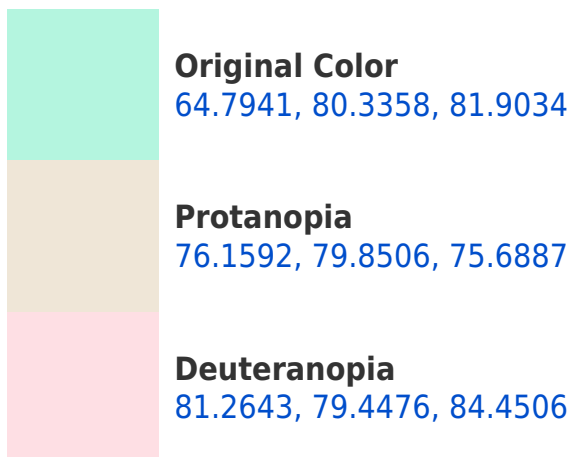


This preview shows how white text looks on a background with the XYZ color 64.7941, 80.3358,

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

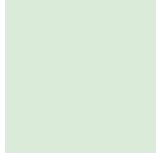
71.1302, 79.9712, 106.2948

Trichromacy



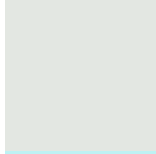
Original Color

64.7941, 80.3358, 81.9034



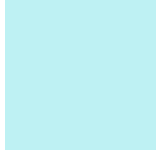
Protanomaly

71.2767, 79.3840, 77.8956



Deuteranomaly

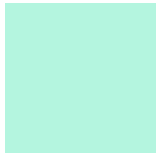
73.9819, 78.9737, 83.2957



Tritanomaly

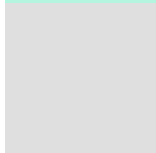
68.8682, 80.3288, 96.6693

Monochromacy



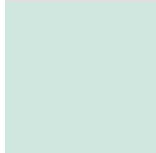
Original Color

64.7941, 80.3358, 81.9034



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.6273, 75.7449, 80.8679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7941, 80.3358, 81.9034 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(180, 245, 223)` looks like.

```
.text, #text, p{  
    color:rgb(180, 245, 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(180, 245, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 245, 223) }
```

Border

The CSS property to change the border of an element to XYZ 64.7941, 80.3358, 81.9034 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(180, 245, 223) }
```


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

```
.border{ border-color:rgb(180, 245, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 245, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 245, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 245, 223);  
box-shadow:4px 4px 4px 4px rgb(180, 245,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7941, 80.3358, 81.9034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 245, 223) }
```

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

```
.background{ background-color: rgb(180,  
245, 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](#).

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