

Converting Colors

XYZ(63.8916, 80.8907, 78.3029)

Have a look what the booklet for
XYZ(63.8916, 80.8907, 78.3029)
contains.

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Color

**XYZ(63.8201, 80.8136,
78.5646)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F7DA
RGB	176, 247, 218
RGB Percent	69%, 97%, 85%
CMY	0.3098, 0.0314, 0.1451
CMYK	0.29, 0.00, 0.12, 0.03
HSL	155°, 82%, 83%
HSV	155°, 29%, 97%
XYZ	63.8201, 80.8136, 78.5646
YIQ	222.4650, -33.0070, -24.0710

Conversions

Conversions Part 2

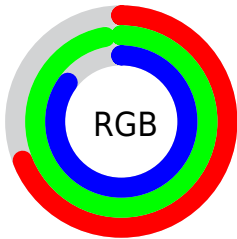
Format	Color
R _{YB}	176, 221, 247
Decimal	11597786
CIE Lab	92.05, -27.89, 6.91
CIE LCh	92, 28.735, 166.094
Yxy	80.8136, 0.2859, 0.3621
Android (android.graphics.Color)	4289787866 (0xFFB0F7DA)
YUV	222.4650, -2.2012, -40.7498
Hunter-Lab	89.8964, -30.5962, 11.1112

Details

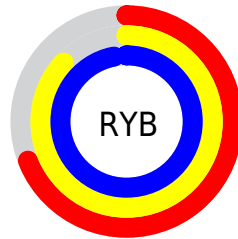
The XYZ color **63.8201, 80.8136, 78.5646** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.9053, 55.2345, 65.0012**, and the grayscale version is **69.7935, 73.4282, 79.9633**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **32.9095, 43.5362, 41.3191** is the 20% darker color. If you saturate the color by 10%, you get **57.4552, 77.6825, 71.5840**, and if you desaturate by 10%, it is **71.2860, 84.5074, 86.0198**.

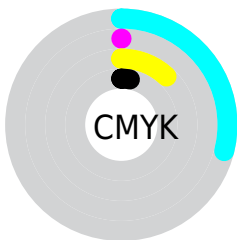
Distribution



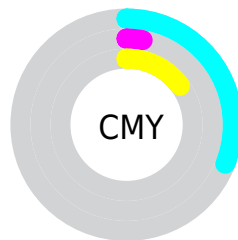
- Red (69%)
- Green (97%)
- Blue (85%)



- Red (69%)
- Yellow (87%)
- Blue (97%)



- Cyan (29%)
- Magenta (0%)
- Yellow (12%)
- Black (3%)





- Cyan (31%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8201, 80.8136, 78.5646 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 63.8201, 80.8136, 78.5646 by changing the saturation by 10% instead.


 63.8201, 80.8136,
78.5646

 63.8201, 80.8136,
78.5646


428.1522,
497.6705, 509.6608

 46.7661, 60.3881,
58.0187


 109.4270,
134.5090, 133.1388

 33.0580, 43.7315,
41.4089


138.7106,
168.5477, 168.0042

 22.3303, 30.4595,
28.3166


172.8015,
207.8929, 208.4799

 14.2178, 20.1876,
18.3233

212.0650,
252.9290, 254.9843

 8.3550, 12.5315,
11.0105

256.8665,
304.0404, 307.9361

 4.3766, 7.1067,
5.9597


307.5712,


 1.9173, 3.5289,


361.6116, 367.7537


2.7522


364.5447,
426.0268, 434.8558


 0.5869, 1.4137,
0.9695


 0.0000, 0.2268,
0.0000


 63.8201, 80.8136,
78.5646


 63.8201, 80.8136,
78.5646


 57.4552, 77.6825,
71.5840


 71.2860, 84.5074,
86.0198


 52.1280, 75.0750,
65.0625

 79.8986, 88.7806,
93.9537

 47.7788, 72.9628,
58.9914

 89.7090, 93.6618,
102.3776

 44.3391, 71.3107,
53.3596

 92.5523, 95.0045,
108.0674

■ 41.7307, 70.0785,
48.1555

■ 39.8612, 69.2188,
43.3663

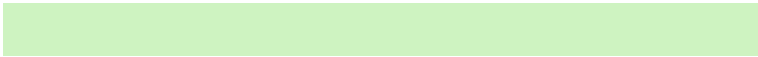
■ 38.5970, 68.6629,
38.9773

■ 38.4591, 68.6033,
38.4535

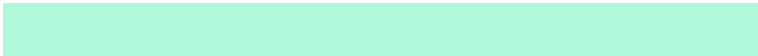
Harmonies

Analogous

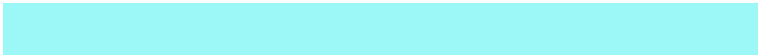
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0161, 80.8136, 62.6679



63.8201, 80.8136, 78.5646



63.9443, 80.8136, 99.7692

Triad

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



63.8201, 80.8136, 78.5646



80.8199, 80.8136, 133.1991



87.0984, 80.8136, 61.7954

Complementary

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



63.8201, 80.8136, 78.5646



64.9053, 55.2345, 65.0012

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.



91.2971, 80.8136, 77.1806



63.8201, 80.8136, 78.5646



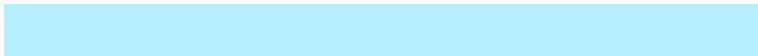
87.5164, 80.8136, 119.3577

Square

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



63.8201, 80.8136, 78.5646



73.4443, 80.8136, 133.7301



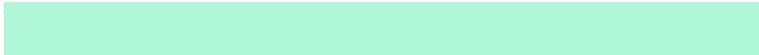
91.4548, 80.8136, 98.1455



80.2788, 80.8136, 54.0902

Rectangle

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



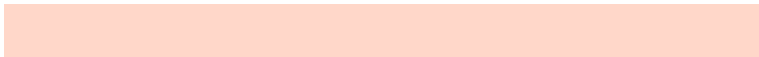
63.8201, 80.8136, 78.5646



65.8856, 80.8136, 114.2253



91.4548, 80.8136, 98.1455



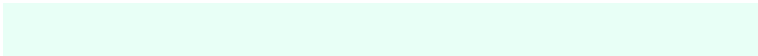
88.8818, 80.8136, 66.1187

Sweetspot

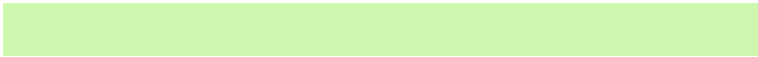
The Sweet Spot groups the original color and five complimentary colors.



63.8223, 80.8169, 78.5664



85.6321, 95.3150, 100.7720



66.4379, 82.7219, 53.5406



18.0241, 20.2500, 21.2968



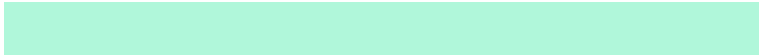
0.0000, 0.0000, 0.0000



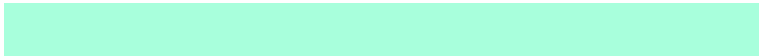
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8223, 80.8169, 78.5664



64.8358, 85.0231, 80.4163



66.1756, 78.9087, 99.7428



16.6936, 18.6366, 19.6706



20.4111, 36.3093, 20.7165



1.8449, 3.2116, 2.0890

Inverse Universe

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



64.9053, 55.2345, 65.0012



66.1630, 53.7221, 63.8298



62.9075, 56.3324, 48.6330



16.7797, 16.5947, 18.5866



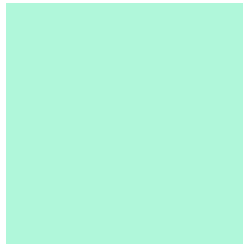
21.5920, 10.9802, 7.8257



1.9474, 0.9849, 0.9493

Previews

White Background



This preview shows how the XYZ color 63.8201, 80.8136, 78.5646 looks on a white background.

Color Contrast Check

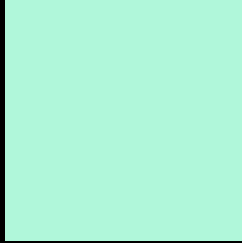
Large Text (above 18pt) WCAG AA × Fail

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 63.8201, 80.8136, 78.5646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

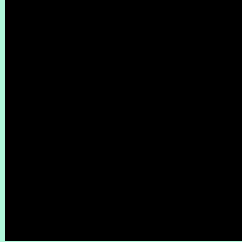
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

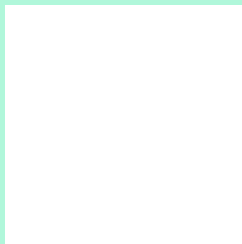
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8201, 80.8136, 78.5646

Background



This preview shows how black text looks on a background with the XYZ color 63.8201, 80.8136, 78.5646.

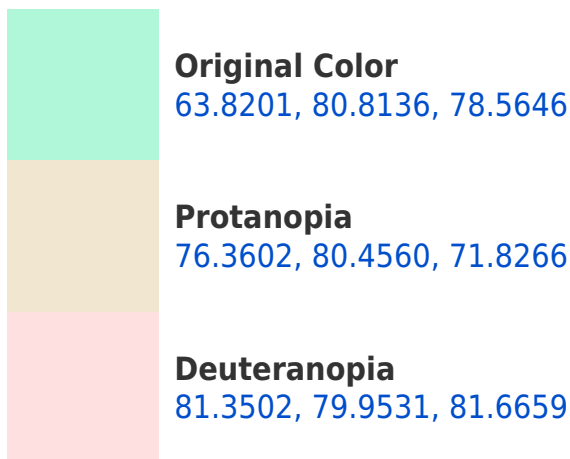


This preview shows how white text looks on a background with the XYZ color 63.8201, 80.8136,

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

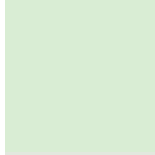
71.4222, 80.5551, 106.3921

Trichromacy



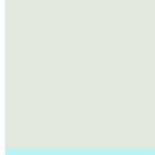
Original Color

63.8201, 80.8136, 78.5646



Protanomaly

70.7831, 80.0736, 74.0124



Deuteranomaly

73.4055, 79.1559, 80.5170



Tritanomaly

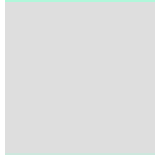
68.5182, 80.6064, 95.9517

Monochromacy



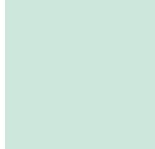
Original Color

63.8201, 80.8136, 78.5646



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.8039, 75.3514, 79.4300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8201, 80.8136, 78.5646 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(176, 247, 218)` looks like.

```
.text, #text, p{  
    color:rgb(176, 247, 218)  
}
```

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(176, 247, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 247, 218) }
```

Border

The CSS property to change the border of an element to XYZ 63.8201, 80.8136, 78.5646 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(176, 247, 218) }
```


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

```
.border{ border-color:rgb(176, 247, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 247, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 247, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 247, 218); box-shadow:4px 4px 4px 4px rgb(176, 247, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8201, 80.8136, 78.5646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 247, 218) }
```

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

```
.background{ background-color: rgb(176,  
247, 218) }
```

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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