

Converting Colors

XYZ(64.9604, 78.1928, 86.1559)

Have a look what the booklet for
XYZ(64.9604, 78.1928, 86.1559)
contains.

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Color

**XYZ(64.8314, 78.0446,
85.7759)**

Conversions

Conversions Part 1

Format	Color
Hex	B7F0E5
RGB	183, 240, 229
RGB Percent	72%, 94%, 90%
CMY	0.2823, 0.0588, 0.1020
CMYK	0.24, 0.00, 0.05, 0.06
HSL	168°, 66%, 83%
HSV	168°, 24%, 94%
XYZ	64.8314, 78.0446, 85.7759
YIQ	221.7030, -30.4410, -15.5050

Conversions

Conversions Part 2

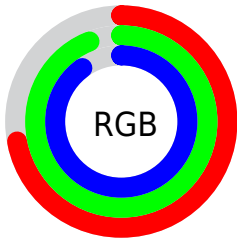
Format	Color
RYB	183, 215, 240
Decimal	12054757
CIELab	90.80, -20.21, -0.58
CIELCh	91, 20.219, 181.630
Yxy	78.0446, 0.2835, 0.3413
Android (android.graphics.Color)	4290244837 (0xFFB7F0E5)
YUV	221.7030, 3.5974, -33.9425
Hunter-Lab	88.3429, -23.6058, 4.2728

Details

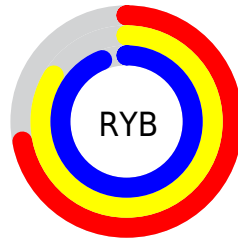
The XYZ color **64.8314, 78.0446, 85.7759** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6090, 56.2894, 58.6073**, and the grayscale version is **69.2143, 72.8188, 79.2997**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **33.8337, 42.0041, 46.3688** is the 20% darker color. If you saturate the color by 10%, you get **58.9646, 75.0960, 82.1709**, and if you desaturate by 10%, it is **71.6933, 81.5083, 89.5209**.

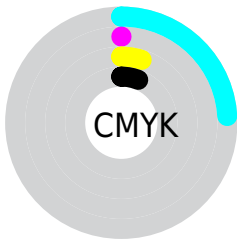
Distribution



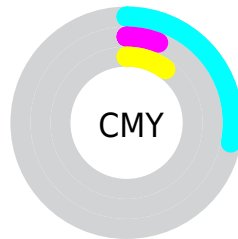
- Red (72%)
- Green (94%)
- Blue (90%)



- Red (72%)
- Yellow (84%)
- Blue (94%)



- Cyan (24%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)





- Cyan (28%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8314, 78.0446, 85.7759 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 64.8314, 78.0446, 85.7759 by changing the saturation by 10% instead.


 64.8314, 78.0446,
85.7759

 64.8314, 78.0446,
85.7759


431.7406,
488.3183, 534.4034

 47.5886, 58.1106,
63.9288


 110.8745,
130.6130, 143.3405

 33.7111, 41.8976,
46.1472


140.4055,
164.0162, 179.8951

 22.8336, 29.0211,
32.0125


174.7632,
202.6779, 222.1893

 14.5907, 19.0968,
21.1062

214.3130,
246.9826, 270.6417

 8.6171, 11.7402,
13.0096

259.4203,
297.3145, 325.6707

 4.5474, 6.5671,
7.3044

310.4505,

 2.0162, 3.1928,

354.0582, 387.6950

3.5719

367.7688,
417.5980, 457.1330

■ 0.6430, 1.2332,
1.3935

■ 0.0000, 0.0886,
0.1367

■ 64.8314, 78.0446,
85.7759

■ 64.8314, 78.0446,
85.7759

■ 58.9646, 75.0960,
82.1709

■ 71.6933, 81.5083,
89.5209

■ 54.0368, 72.6273,
78.6976

■ 79.5895, 85.5012,
93.4035

■ 49.9962, 70.6142,
75.3546

■ 88.5640, 90.0480,
97.4280

■ 46.7836, 69.0259,
72.1383

■ 89.2723, 90.3313,
101.1579

■ 44.3323, 67.8281,
69.0450

■ 89.9984, 90.6217,
104.9813

■ 42.5650, 66.9810,
66.0702

■ 90.4515, 90.8030,
107.3672

■ 41.3876, 66.4362,
63.2090

■ 40.8629, 66.2035,
61.4740

Harmonies

Analogous

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



65.9068, 78.0446, 72.3579



64.8314, 78.0446, 85.7759



66.1640, 78.0446, 100.5191

Triad

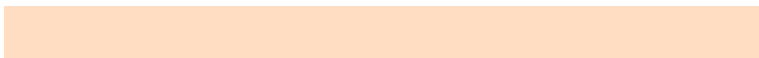
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.8314, 78.0446, 85.7759



79.4239, 78.0446, 111.1098



78.9211, 78.0446, 62.6497

Complementary

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



64.8314, 78.0446, 85.7759



62.6090, 56.2894, 58.6073

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.



82.8165, 78.0446, 71.1262



64.8314, 78.0446, 85.7759



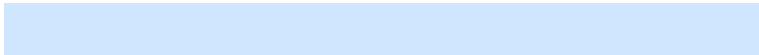
83.1161, 78.0446, 98.9847

Square

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



64.8314, 78.0446, 85.7759



74.4574, 78.0446, 116.1424



84.3846, 78.0446, 84.1837



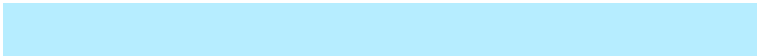
73.9014, 78.0446, 59.9547

Rectangle

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



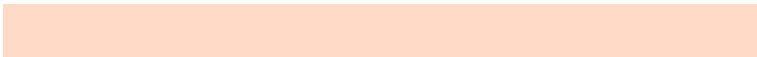
64.8314, 78.0446, 85.7759



68.2757, 78.0446, 108.8677



84.3846, 78.0446, 84.1837



80.4133, 78.0446, 64.8657

Sweetspot

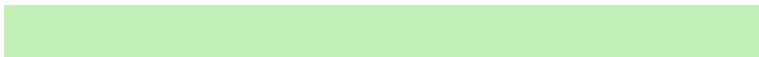
The Sweet Spot groups the original color and five complimentary colors.



64.8336, 78.0478, 85.7777



88.2353, 96.5504, 105.7113



62.0607, 77.2647, 56.4438



18.7663, 20.6052, 22.5685



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.



64.8336, 78.0478, 85.7777



70.6640, 87.6843, 96.2047



61.6200, 69.0833, 92.5285



16.1089, 17.8736, 19.5964



22.4155, 36.2582, 33.9006



1.8979, 3.0296, 2.9948

Inverse Universe

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



62.6090, 56.2894, 58.6073



67.6611, 58.2829, 59.5059



65.1625, 63.3015, 53.5851



15.8975, 15.8087, 17.0163



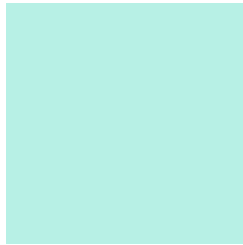
19.9814, 10.2650, 2.5528



1.6959, 0.8674, 0.3895

Previews

White Background



This preview shows how the XYZ color 64.8314, 78.0446, 85.7759 looks on a white background.

Color Contrast Check

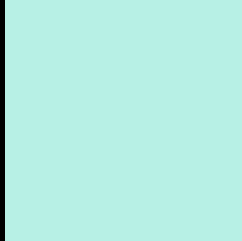
Large Text (above 18pt) WCAG AA × Fail

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 64.8314, 78.0446, 85.7759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

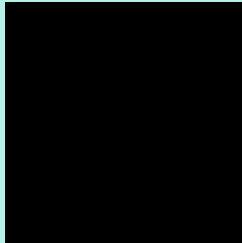
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

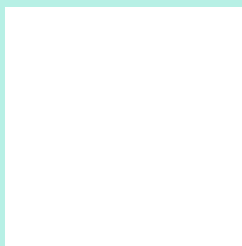
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8314, 78.0446, 85.7759

Background



This preview shows how black text looks on a background with the XYZ color 64.8314, 78.0446, 85.7759.

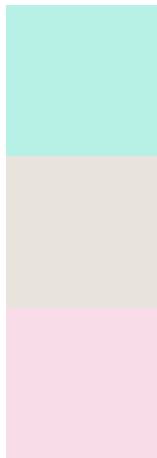


This preview shows how white text looks on a background with the XYZ color 64.8314, 78.0446,

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

64.8314, 78.0446, 85.7759

Protanopia

74.2582, 77.5357, 80.1593

Deuteranopia

79.2758, 77.5526, 87.8816



Tritanopia

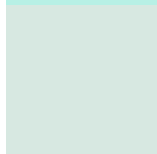
68.7845, 77.9023, 106.0191

Trichromacy



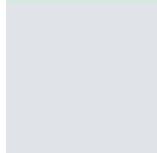
Original Color

64.8314, 78.0446, 85.7759



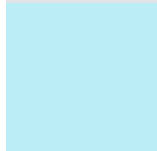
Protanomaly

70.4716, 77.5965, 82.4975



Deuteranomaly

73.0494, 77.1603, 87.3872



Tritanomaly

67.1684, 77.6613, 98.6388

Monochromacy



Original Color

64.8314, 78.0446, 85.7759



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.6223, 74.8848, 82.1243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8314, 78.0446, 85.7759 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(183, 240, 229)` looks like.

```
.text, #text, p{  
    color:rgb(183, 240, 229)  
}
```

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(183, 240, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 240, 229) }
```

Border

The CSS property to change the border of an element to XYZ 64.8314, 78.0446, 85.7759 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(183, 240, 229) }
```


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

```
.border{ border-color:rgb(183, 240, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 240, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 240, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 240, 229);  
box-shadow:4px 4px 4px 4px rgb(183, 240,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8314, 78.0446, 85.7759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 240, 229) }
```

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

```
.background{ background-color: rgb(183,  
240, 229) }
```

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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