

Converting Colors

XYZ(68.2688, 79.4054, 80.8964)

Have a look what the booklet for
XYZ(68.2688, 79.4054, 80.8964)
contains.

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Color

**XYZ(68.4084, 79.5635,
80.8590)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | CAEFDE |
| RGB | 202, 239, 222 |
| RGB Percent | 79%, 94%, 87% |
| CMY | 0.2078, 0.0627, 0.1294 |
| CMYK | 0.15, 0.00, 0.07, 0.06 |
| HSL | 152°, 54%, 86% |
| HSV | 152°, 15%, 94% |
| XYZ | 68.4084, 79.5635, 80.8590 |
| YIQ | 225.9990, -16.5950, -13.1310 |

Conversions

Conversions Part 2

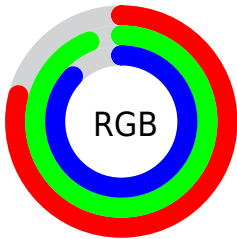
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 202, 226, 239 |
| Decimal | 13299678 |
| CIE _{Lab} | 91.49, -15.23, 4.21 |
| CIE _{LCh} | 91, 15.800, 164.543 |
| Yxy | 79.5635, 0.2989, 0.3477 |
| Android (android.graphics.Color) | 4291489758 (0xFFCAEFDE) |
| YUV | 225.9990, -1.9715, -21.0471 |
| Hunter-Lab | 89.1984, -19.2012, 8.6920 |

Details

The XYZ color **68.4084, 79.5635, 80.8590** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5061, 65.7082, 76.0409**, and the grayscale version is **72.3122, 76.0781, 82.8491**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1213, 42.9529, 42.9462** is the 20% darker color. If you saturate the color by 10%, you get **61.0116, 75.9171, 73.0785**, and if you desaturate by 10%, it is **76.9071, 83.7713, 89.1950**.

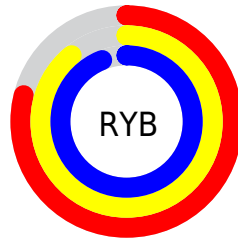
Distribution



Red (79%)

Green (94%)

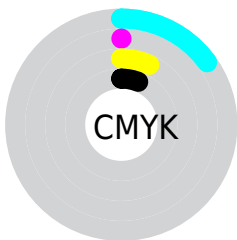
Blue (87%)



Red (79%)

Yellow (89%)

Blue (94%)

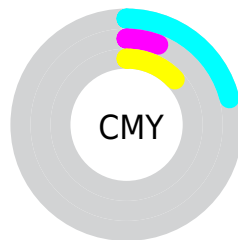


Cyan (15%)

Magenta (0%)

Yellow (7%)

Black (6%)



Cyan (21%)

Magenta (6%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4084, 79.5635, 80.8590 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 68.4084, 79.5635, 80.8590 by changing the saturation by 10% instead.

68.4084, 79.5635,
80.8590

68.4084, 79.5635,
80.8590

444.2957,
493.4606, 517.6059

50.5049, 59.3592,
59.8952

115.9749,
132.7519, 136.3951

36.0342, 42.9024,
42.9094

146.3687,
166.5047, 171.8044

24.6309, 29.8085,
29.4832

181.6566,
205.5426, 212.8659

15.9295, 19.6933,
19.1979

222.2040,
250.2499, 259.9982

9.5648, 12.1723,
11.6351

268.3762,
301.0109, 313.6198

5.1714, 6.8611,
6.3762

320.5387,

2.3840, 3.3754,

358.2101, 374.1493

3.0027

379.0567,
422.2319, 442.0051

■ 0.8371, 1.3307,
1.0960

■ 0.0000, 0.1648,
0.0000

■ 68.4084, 79.5635,
80.8590

■ 68.4084, 79.5635,
80.8590

■ 61.0116, 75.9171,
73.0785

■ 76.9071, 83.7713,
89.1950

■ 54.6623, 72.7976,
65.8364

■ 86.5458, 88.5532,
98.0925

■ 49.3112, 70.1821,
59.1225

■ 90.1498, 90.2128,
107.2263

■ 44.9026, 68.0420,
52.9241

■ 90.1580, 90.2160,
107.2693

■ 41.3746, 66.3457,
47.2278

■ 38.6577, 65.0575,
42.0198

■ 36.6714, 64.1363,
37.2851

■ 35.3163, 63.5310,
33.0075

■ 34.8425, 63.3258,
31.2185

Harmonies

Analogous

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



70.3248, 79.5635, 71.7794



68.4084, 79.5635, 80.8590



68.3785, 79.5635, 92.3147

Triad

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



68.4084, 79.5635, 80.8590



77.5821, 79.5635, 109.8967



81.2719, 79.5635, 72.0002

Complementary

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



68.4084, 79.5635, 80.8590



69.5061, 65.7082, 76.0409

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.



83.3613, 79.5635, 81.1858



68.4084, 79.5635, 80.8590



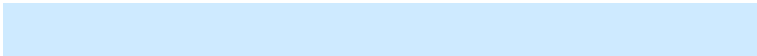
81.1803, 79.5635, 103.4020

Square

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



68.4084, 79.5635, 80.8590



73.5794, 79.5635, 109.7895



83.3272, 79.5635, 92.6716



77.7035, 79.5635, 66.9824

Rectangle

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



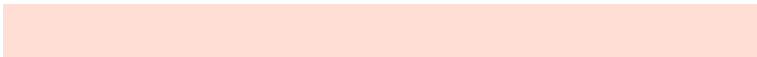
68.4084, 79.5635, 80.8590



69.4274, 79.5635, 99.8116



83.3272, 79.5635, 92.6716



82.1760, 79.5635, 74.6653

Sweetspot

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



68.4106, 79.5668, 80.8608



89.5848, 97.2899, 103.7953



70.8236, 81.1024, 67.7996



19.0162, 20.7454, 22.0657



0.0000, 0.0000, 0.0000



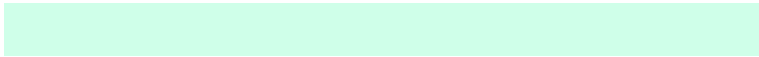
20.3446, 21.4041, 23.3091

Same Dimension

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



68.4106, 79.5668, 80.8608



76.0370, 90.5888, 90.3716



70.4464, 79.8053, 93.3564



15.9232, 17.7993, 18.6184



19.3209, 35.0204, 17.6045



1.6575, 2.9334, 1.7288

Inverse Universe

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



69.5061, 65.7082, 76.0409



77.5607, 71.3146, 83.6693



67.6707, 65.4390, 64.9425



16.0749, 15.8797, 17.9507



21.2861, 10.7869, 9.4230



1.8205, 0.9172, 1.0454

Previews

White Background



This preview shows how the XYZ color 68.4084, 79.5635, 80.8590 looks on a white background.

Color Contrast Check

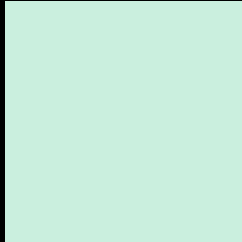
Large Text (above 18pt) WCAG AA × Fail

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 68.4084, 79.5635, 80.8590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

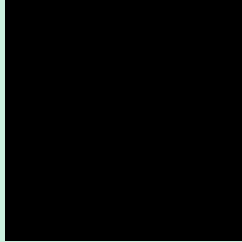
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

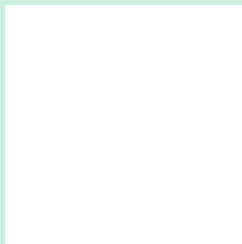
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4084, 79.5635, 80.8590

Background



This preview shows how black text looks on a background with the XYZ color 68.4084, 79.5635, 80.8590.



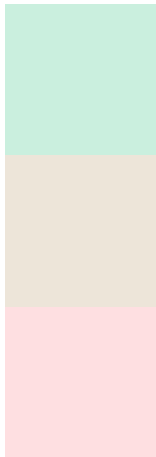
This preview shows how white text looks on a background with the XYZ color 68.4084, 79.5635,

80.8590.

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

68.4084, 79.5635, 80.8590

Protanopia

75.4687, 79.0529, 76.9267

Deuteranopia

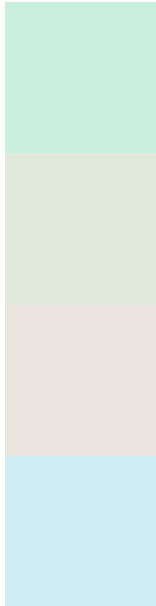
80.8513, 79.2824, 82.2759



Tritanopia

73.1649, 79.3474, 104.3879

Trichromacy



Original Color

68.4084, 79.5635, 80.8590

Protanomaly

72.6656, 79.2396, 78.4827

Deuteranomaly

75.7348, 79.0826, 81.7938

Tritanomaly

71.4761, 79.5235, 95.5868

Monochromacy



Original Color

68.4084, 79.5635, 80.8590

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.7818, 77.3398, 82.4316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4084, 79.5635, 80.8590 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(202, 239, 222)` looks like.

```
.text, #text, p{  
    color:rgb(202, 239, 222)  
}
```

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(202, 239, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 239, 222) }
```

Border

The CSS property to change the border of an element to XYZ 68.4084, 79.5635, 80.8590 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(202, 239, 222) }
```


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

```
.border{ border-color:rgb(202, 239, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 239, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 239, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 239, 222);  
box-shadow:4px 4px 4px 4px rgb(202, 239,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4084, 79.5635, 80.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 239, 222) }
```

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

```
.background{ background-color: rgb(202,  
239, 222) }
```

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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