

Converting Colors

XYZ(68.2830, 79.5273, 84.1236)

Have a look what the booklet for
XYZ(68.2830, 79.5273, 84.1236)
contains.

XYZ(68.2848, 79.4212, 84.4039)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.2848, 79.4212,
84.4039)**

Conversions

Conversions Part 1

Format	Color
Hex	C7EFE3
RGB	199, 239, 227
RGB Percent	78%, 94%, 89%
CMY	0.2196, 0.0627, 0.1098
CMYK	0.17, 0.00, 0.05, 0.06
HSL	162°, 56%, 86%
HSV	162°, 17%, 94%
XYZ	68.2848, 79.4212, 84.4039
YIQ	225.6720, -19.9880, -12.2120

Conversions

Conversions Part 2

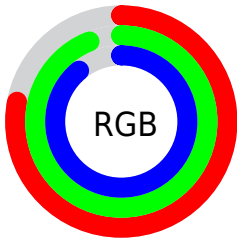
Format	Color
RYB	199, 223, 239
Decimal	13103075
CIELab	91.42, -15.22, 1.49
CIElCh	91, 15.295, 174.404
Yxy	79.4212, 0.2942, 0.3422
Android (android.graphics.Color)	4291293155 (0xFFC7EFE3)
YUV	225.6720, 0.6547, -23.3913
Hunter-Lab	89.1186, -19.1865, 6.2296

Details

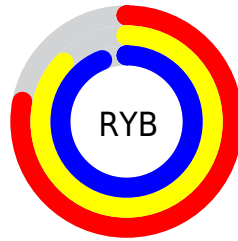
The XYZ color **68.2848, 79.4212, 84.4039** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.7807, 63.9027, 70.3935**, and the grayscale version is **72.0595, 75.8122, 82.5595**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0569, 42.8653, 45.4031** is the 20% darker color. If you saturate the color by 10%, you get **61.4657, 76.0200, 79.0260**, and if you desaturate by 10%, it is **76.1455, 83.3589, 90.0491**.

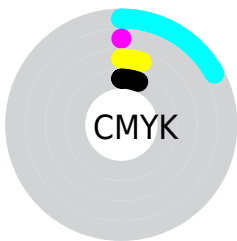
Distribution



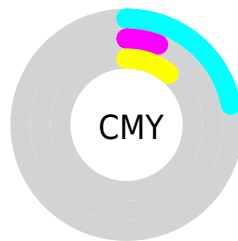
- Red (78%)
- Green (94%)
- Blue (89%)



- Red (78%)
- Yellow (87%)
- Blue (94%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (22%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2848, 79.4212, 84.4039 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 68.2848, 79.4212, 84.4039 by changing the saturation by 10% instead.

68.2848, 79.4212,
84.4039

68.2848, 79.4212,
84.4039

443.8653,
492.9801, 529.7466

50.4040, 59.2422,
62.8016

115.7991,
132.5517, 141.4068

35.9536, 42.8081,
45.2408

146.1634,
166.2719, 177.6445

24.5683, 29.7346,
31.3028

181.4195,
205.2746, 219.5978

15.8827, 19.6372,
20.5691

221.9328,
249.9443, 267.6852

9.5315, 12.1316,
12.6213

268.0687,
300.6653, 322.3252

5.1493, 6.8334,
7.0406

320.1925,

2.3708, 3.3581,

357.8220, 383.9364

3.4087

378.6696,
421.7988, 452.9374

■ 0.8305, 1.3214,
1.3069

■ 0.0000, 0.1577,
0.0674

■ 68.2848, 79.4212,
84.4039

■ 68.2848, 79.4212,
84.4039

■ 61.4657, 76.0200,
79.0260

■ 76.1455, 83.3589,
90.0491

■ 55.6347, 73.1213,
73.9054

■ 85.0850, 87.8458,
95.9609

■ 50.7435, 70.7025,
69.0388

■ 89.1315, 89.8054,
101.8641

■ 46.7370, 68.7351,
64.4210

■ 90.1580, 90.2160,
107.2693

■ 43.5540, 67.1877,
60.0463

■ 41.1254, 66.0248,
55.9087

■ 39.3703, 65.2046,
52.0017

■ 38.1863, 64.6746,
48.3174

■ 37.8698, 64.5367,
47.1605

Harmonies

Analogous

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



69.5668, 79.4212, 74.5962



68.2848, 79.4212, 84.4039



68.8783, 79.4212, 95.6330

Triad

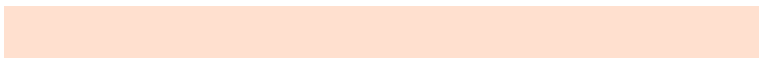
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2848, 79.4212, 84.4039



78.6205, 79.4212, 107.4892



79.9258, 79.4212, 70.1996

Complementary

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



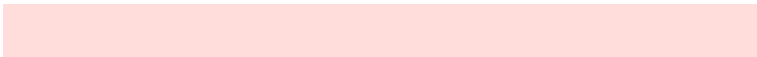
68.2848, 79.4212, 84.4039



67.7807, 63.9027, 70.3935

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.



82.5065, 79.4212, 77.9234



68.2848, 79.4212, 84.4039



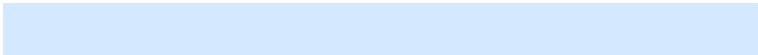
81.7349, 79.4212, 99.5549

Square

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



68.2848, 79.4212, 84.4039



74.7604, 79.4212, 109.5976



83.1796, 79.4212, 88.5821



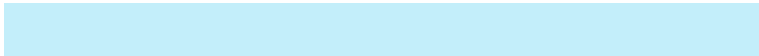
76.2193, 79.4212, 66.8593

Rectangle

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



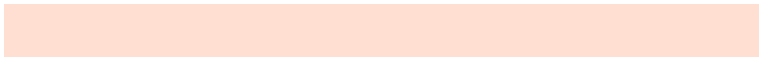
68.2848, 79.4212, 84.4039



70.2684, 79.4212, 102.3491



83.1796, 79.4212, 88.5821



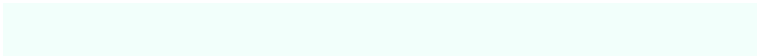
80.9587, 79.4212, 72.3355

Sweetspot

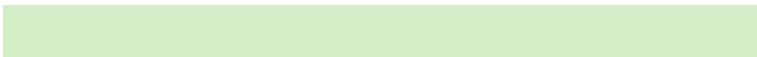
The Sweet Spot groups the original color and five complimentary colors.



68.2870, 79.4245, 84.4057



89.9039, 97.4175, 105.4759



68.2332, 79.8076, 65.8421



19.0938, 20.7765, 22.4745



0.0000, 0.0000, 0.0000



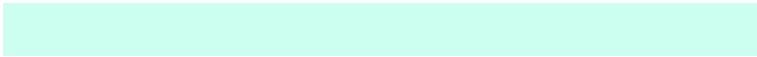
20.3446, 21.4041, 23.3091

Same Dimension

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



68.2870, 79.4245, 84.4057



76.3450, 90.6306, 95.6719



67.8986, 75.9029, 92.7374



16.0336, 17.8434, 19.1996



20.9874, 35.6870, 26.3803



1.7897, 2.9863, 2.4248

Inverse Universe

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



67.7807, 63.9027, 70.3935



75.6590, 69.5762, 76.6691



68.0596, 66.7797, 63.3366



15.9680, 15.8369, 17.3876



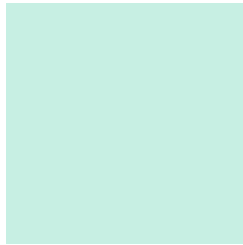
20.3632, 10.4177, 4.5634



1.7364, 0.8836, 0.6025

Previews

White Background



This preview shows how the XYZ color 68.2848, 79.4212, 84.4039 looks on a white background.

Color Contrast Check

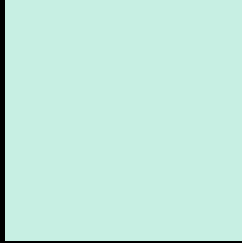
Large Text (above 18pt) WCAG AA × Fail

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 68.2848, 79.4212, 84.4039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

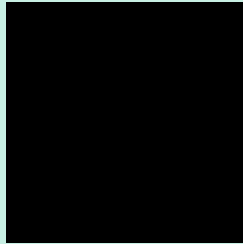
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

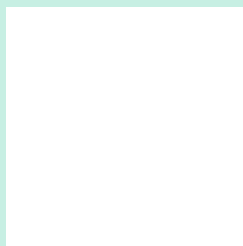
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2848, 79.4212, 84.4039

Background



This preview shows how black text looks on a background with the XYZ color 68.2848, 79.4212, 84.4039.

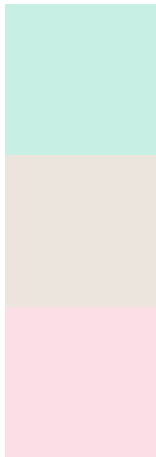


This preview shows how white text looks on a background with the XYZ color 68.2848, 79.4212,

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

68.2848, 79.4212, 84.4039

Protanopia

75.6625, 79.0919, 79.6850

Deuteranopia

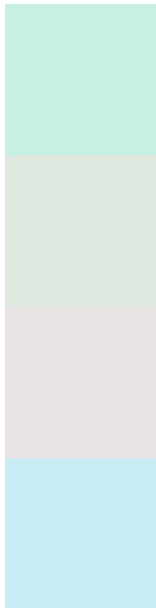
80.8155, 79.1840, 85.8875



Tritanopia

72.4996, 79.4098, 105.2724

Trichromacy



Original Color

68.2848, 79.4212, 84.4039

Protanomaly

72.8896, 79.2935, 81.2755

Deuteranomaly

75.7664, 79.0194, 85.3877

Tritanomaly

70.6817, 79.0791, 97.1264

Monochromacy



Original Color

68.2848, 79.4212, 84.4039

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.6223, 77.2417, 83.1385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2848, 79.4212, 84.4039 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(199, 239, 227)` looks like.

```
.text, #text, p{  
    color:rgb(199, 239, 227)  
}
```

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(199, 239, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 239, 227) }
```

Border

The CSS property to change the border of an element to XYZ 68.2848, 79.4212, 84.4039 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(199, 239, 227) }
```


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

```
.border{ border-color:rgb(199, 239, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 239, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 239, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 239, 227);  
box-shadow:4px 4px 4px 4px rgb(199, 239,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2848, 79.4212, 84.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 239, 227) }
```

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

```
.background{ background-color: rgb(199,  
239, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor