

Converting Colors

XYZ(69.0653, 80.7044, 89.0241)

Have a look what the booklet for
XYZ(69.0653, 80.7044, 89.0241)
contains.

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Color

**XYZ(68.9282, 80.5295,
89.0016)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F1E9
RGB	196, 241, 233
RGB Percent	77%, 95%, 91%
CMY	0.2314, 0.0549, 0.0863
CMYK	0.19, 0.00, 0.03, 0.05
HSL	169°, 62%, 86%
HSV	169°, 19%, 95%
XYZ	68.9282, 80.5295, 89.0016
YIQ	226.6330, -24.2520, -12.0280

Conversions

Conversions Part 2

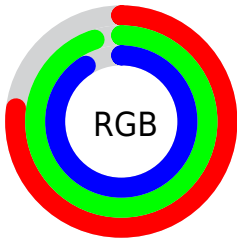
Format	Color
R _Y B	196, 221, 241
Decimal	12906985
CIE Lab	91.92, -15.96, -0.93
CIE LCh	92, 15.991, 183.327
Yxy	80.5295, 0.2891, 0.3377
Android (android.graphics.Color)	4291097065 (0xFFC4F1E9)
YUV	226.6330, 3.1389, -26.8651
Hunter-Lab	89.7382, -19.9355, 4.0135

Details

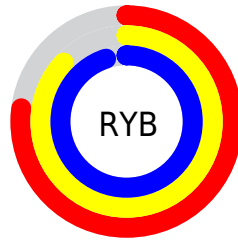
The XYZ color **68.9282, 80.5295, 89.0016** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9175, 62.5424, 65.6752**, and the grayscale version is **72.7395, 76.5276, 83.3386**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **36.4401, 43.6230, 48.0945** is the 20% darker color. If you saturate the color by 10%, you get **62.5516, 77.3143, 85.5471**, and if you desaturate by 10%, it is **76.3312, 84.2764, 92.5852**.

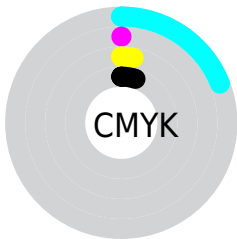
Distribution



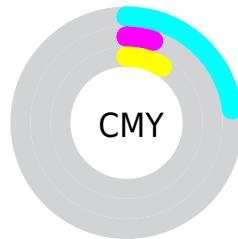
- Red (77%)
- Green (95%)
- Blue (91%)



- Red (77%)
- Yellow (87%)
- Blue (95%)



- Cyan (19%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)



- Cyan (23%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9282, 80.5295, 89.0016 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 68.9282, 80.5295, 89.0016 by changing the saturation by 10% instead.

68.9282, 80.5295,
89.0016

68.9282, 80.5295,
89.0016

446.1030,
496.7155, 545.2638

50.9297, 60.1542,
66.5838

116.7136,
134.1099, 147.8742

36.3735, 43.5429,
48.2870

147.2313,
168.0838, 185.1661

24.8942, 30.3113,
33.6926

182.6526,
207.3594, 228.2531

16.1266, 20.0750,
22.3821

223.3431,
252.3209, 277.5537

9.7052, 12.4496,
13.9370

269.6680,
303.3529, 333.4866

5.2647, 7.0506,
7.9386

321.9927,

2.4397, 3.4938,

360.8398, 396.4702

3.9685

380.6826,
425.1658, 466.9231

■ 0.8650, 1.3946,
1.6081

■ 0.0000, 0.2128,
0.2966

■ 68.9282, 80.5295,
89.0016

■ 68.9282, 80.5295,
89.0016

■ 62.5516, 77.3143,
85.5471

■ 76.3312, 84.2764,
92.5852

■ 57.1465, 74.5960,
82.2134


■ 84.7986, 88.5682,
96.2951

■ 52.6631, 72.3512,
78.9995


■ 89.3098, 90.8187,
99.8985


■ 49.0444, 70.5506,
75.9020


■ 89.9749, 91.0847,
103.4012


 46.2273, 69.1614,
72.9175

 90.6554, 91.3569,
106.9844

 44.1396, 68.1467,
70.0420

 90.7467, 91.3935,
107.4656

 42.6961, 67.4624,
67.2709

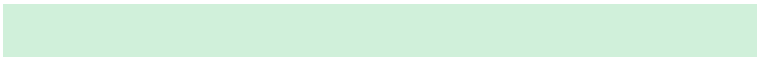
 41.7724, 67.0443,
64.5979

 41.6665, 66.9974,
64.2495

Harmonies

Analogous

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



69.7020, 80.5295, 77.9218



68.9282, 80.5295, 89.0016



70.1333, 80.5295, 100.6988

Triad

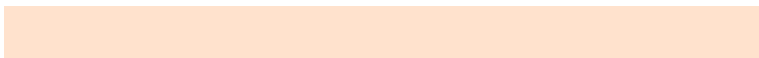
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9282, 80.5295, 89.0016



80.9601, 80.5295, 107.9598



80.1391, 80.5295, 68.9942

Complementary

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



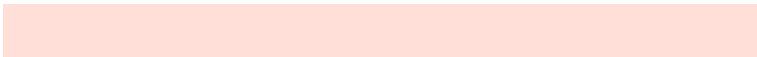
68.9282, 80.5295, 89.0016



66.9175, 62.5424, 65.6752

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.



83.3273, 80.5295, 75.8400



68.9282, 80.5295, 89.0016



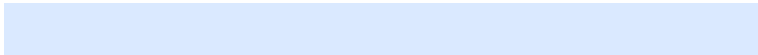
83.8131, 80.5295, 98.2270

Square

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



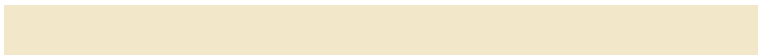
68.9282, 80.5295, 89.0016



76.9999, 80.5295, 112.2422



84.6944, 80.5295, 86.3774



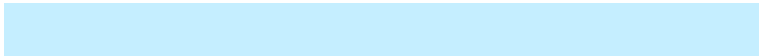
76.0836, 80.5295, 66.9960

Rectangle

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



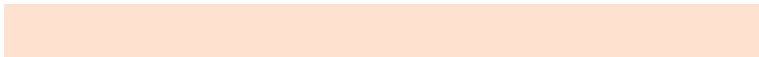
68.9282, 80.5295, 89.0016



71.9228, 80.5295, 107.0927



84.6944, 80.5295, 86.3774



81.3525, 80.5295, 70.7727

Sweetspot

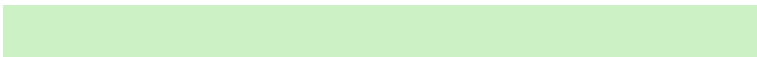
The Sweet Spot groups the original color and five complimentary colors.



68.9305, 80.5328, 89.0034



89.2084, 97.0388, 106.3561



66.3920, 79.7722, 64.1243



18.9639, 20.7043, 22.7060



0.0000, 0.0000, 0.0000



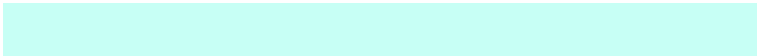
20.3446, 21.4041, 23.3091

Same Dimension

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



68.9305, 80.5328, 89.0034



75.7716, 90.2424, 99.8297



66.0453, 72.8910, 93.8113



16.1197, 17.8779, 19.6532



22.6393, 36.3477, 35.0790



1.9146, 3.0363, 3.0827

Inverse Universe

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



66.9175, 62.5424, 65.6752



73.1338, 66.6582, 69.2534



69.3505, 68.9055, 61.8708



15.8876, 15.8047, 16.9641



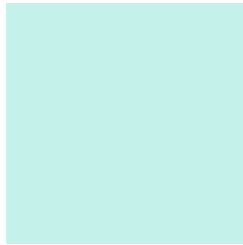
19.9411, 10.2489, 2.3406



1.6911, 0.8655, 0.3644

Previews

White Background



This preview shows how the XYZ color 68.9282, 80.5295, 89.0016 looks on a white background.

Color Contrast Check

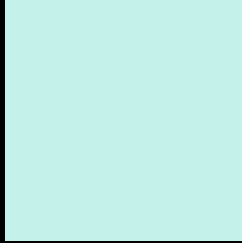
Large Text (above 18pt) WCAG AA × Fail

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 68.9282, 80.5295, 89.0016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

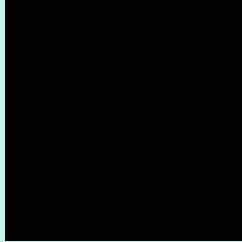
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

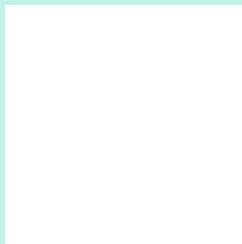
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9282, 80.5295, 89.0016

Background



This preview shows how black text looks on a background with the XYZ color 68.9282, 80.5295, 89.0016.

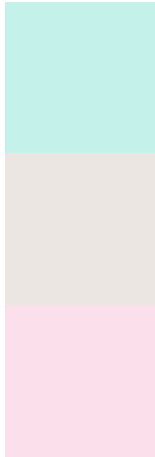


This preview shows how white text looks on a background with the XYZ color 68.9282, 80.5295,

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

68.9282, 80.5295, 89.0016

Protanopia

76.7540, 79.9725, 84.0639

Deuteranopia

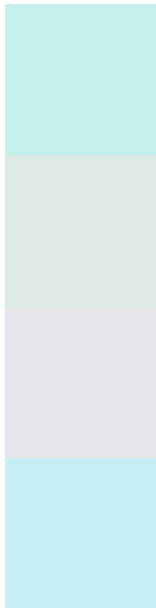
81.5796, 79.8767, 90.4749



Tritanopia

72.6913, 80.3449, 106.2846

Trichromacy



Original Color

68.9282, 80.5295, 89.0016

Protanomaly

73.3845, 79.8749, 85.6784

Deuteranomaly

76.2472, 79.5807, 89.9392

Tritanomaly

71.1825, 80.1438, 99.7133

Monochromacy



Original Color

68.9282, 80.5295, 89.0016

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.3184, 77.9693, 85.4194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9282, 80.5295, 89.0016 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(196, 241, 233)` looks like.

```
.text, #text, p{  
    color:rgb(196, 241, 233)  
}
```

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(196, 241, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 241, 233) }
```

Border

The CSS property to change the border of an element to XYZ 68.9282, 80.5295, 89.0016 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(196, 241, 233) }
```


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

```
.border{ border-color:rgb(196, 241, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 241, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 241, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 241, 233); box-shadow:4px 4px 4px 4px rgb(196, 241, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9282, 80.5295, 89.0016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 241, 233) }
```

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

```
.background{ background-color: rgb(196,  
241, 233) }
```

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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