

Converting Colors

XYZ(69.1962, 80.9638, 89.8446)

Have a look what the booklet for
XYZ(69.1962, 80.9638, 89.8446)
contains.

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Color

**XYZ(69.3684, 81.1805,
89.8552)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F2EA
RGB	196, 242, 234
RGB Percent	77%, 95%, 92%
CMY	0.2314, 0.0510, 0.0823
CMYK	0.19, 0.00, 0.03, 0.05
HSL	170°, 64%, 86%
HSV	170°, 19%, 95%
XYZ	69.3684, 81.1805, 89.8552
YIQ	227.3340, -24.8480, -12.2400

Conversions

Conversions Part 2

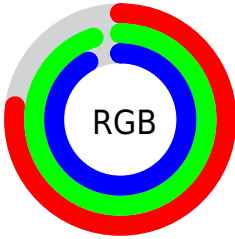
Format	Color
R _Y B	196, 221, 242
Decimal	12907242
CIE Lab	92.21, -16.26, -1.02
CIE LCh	92, 16.292, 183.604
Yxy	81.1805, 0.2885, 0.3377
Android (android.graphics.Color)	4291097322 (0xFFC4F2EA)
YUV	227.3340, 3.2863, -27.4799
Hunter-Lab	90.1002, -20.2478, 3.9414

Details

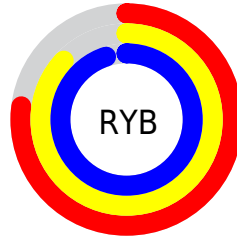
The XYZ color **69.3684, 81.1805, 89.8552** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.2599, 62.7190, 65.6913**, and the grayscale version is **73.2484, 77.0630, 83.9216**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **36.7501, 44.0829, 48.6914** is the 20% darker color. If you saturate the color by 10%, you get **62.9771, 77.9569, 86.4374**, and if you desaturate by 10%, it is **76.7941, 84.9400, 93.3998**.

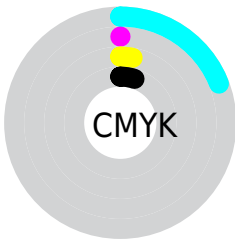
Distribution



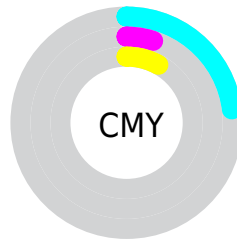
- Red (77%)
- Green (95%)
- Blue (92%)



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



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



- Cyan (23%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3684, 81.1805, 89.8552 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 69.3684, 81.1805, 89.8552 by changing the saturation by 10% instead.

69.3684, 81.1805,
89.8552

69.3684, 81.1805,
89.8552

447.6303,
498.9023, 548.1177

51.2895, 60.6903,
67.2875

117.3388,
135.0242, 149.0710

36.6611, 43.9753,
48.8553

147.9610,
169.1464, 186.5562

25.1176, 30.6511,
34.1399

183.4951,
208.5815, 229.8510

16.2939, 20.3333,
22.7228

224.3063,
253.7137, 279.3739

9.8245, 12.6375,
14.1856

270.7601,
304.9275, 335.5435

5.3442, 7.1794,
8.1097

323.2218,

2.4874, 3.5746,

362.6073, 398.7783

4.0764

382.0568,
427.1374, 469.4968

0.8889, 1.4386,
1.6674

0.0000, 0.2449,
0.3382

69.3684, 81.1805,
89.8552

69.3684, 81.1805,
89.8552

62.9771, 77.9569,
86.4374

76.7941, 84.9400,
93.3998

57.5644, 75.2340,
83.1383

85.2925, 89.2487,
97.0685

53.0801, 72.9880,
79.9566

89.7254, 91.4599,
100.6230

49.4664, 71.1892,
76.8892

90.3813, 91.7222,
104.0773

■ 46.6592, 69.8046,
73.9324

■ 91.0436, 91.9871,
107.5645

■ 44.5852, 68.7964,
71.0824

■ 43.1578, 68.1198,
68.3345

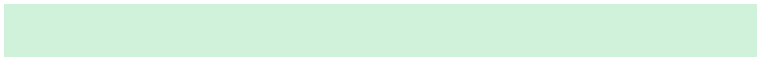
■ 42.2464, 67.7077,
65.6822

■ 42.1675, 67.6727,
65.4237

Harmonies

Analogous

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



70.1416, 81.1805, 78.4918



69.3684, 81.1805, 89.8552



70.6196, 81.1805, 101.8364

Triad

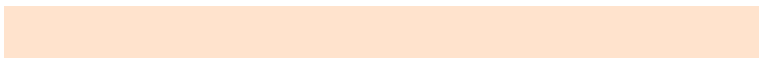
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.3684, 81.1805, 89.8552



81.7214, 81.1805, 109.1143



80.8103, 81.1805, 69.2305

Complementary

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



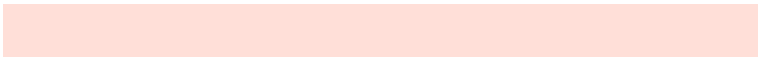
69.3684, 81.1805, 89.8552



67.2599, 62.7190, 65.6913

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.



84.0915, 81.1805, 76.1858



69.3684, 81.1805, 89.8552



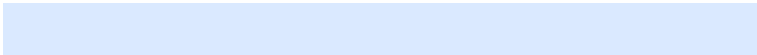
84.6309, 81.1805, 99.0910

Square

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



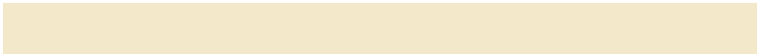
69.3684, 81.1805, 89.8552



77.6689, 81.1805, 113.5740



85.5134, 81.1805, 86.9443



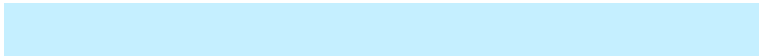
76.6525, 81.1805, 67.2375

Rectangle

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



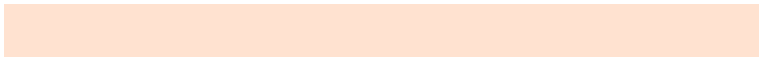
69.3684, 81.1805, 89.8552



72.4609, 81.1805, 108.3711



85.5134, 81.1805, 86.9443



82.0573, 81.1805, 71.0325

Sweetspot

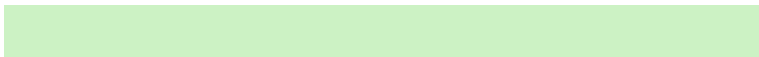
The Sweet Spot groups the original color and five complimentary colors.



69.3707, 81.1839, 89.8570



89.2178, 97.0425, 106.4055



66.7393, 80.3919, 64.2257



18.9662, 20.7052, 22.7177



0.0000, 0.0000, 0.0000



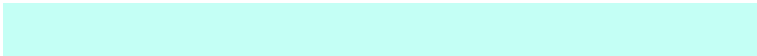
20.3446, 21.4041, 23.3091

Same Dimension

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



69.3707, 81.1839, 89.8570



75.0665, 89.8829, 99.6161



66.3822, 73.3250, 94.6626



16.1224, 17.8790, 19.6676



22.6971, 36.3709, 35.3834



1.9189, 3.0380, 3.1053

Inverse Universe

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



67.2599, 62.7190, 65.6913



72.2669, 65.3811, 67.5566



69.7713, 69.2389, 61.9132



15.8850, 15.8037, 16.9508



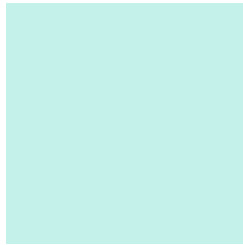
19.9314, 10.2450, 2.2893



1.6900, 0.8650, 0.3582

Previews

White Background



This preview shows how the XYZ color 69.3684, 81.1805, 89.8552 looks on a white background.

Color Contrast Check

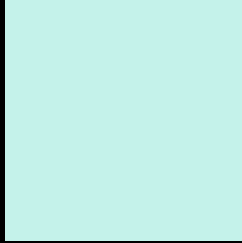
Large Text (above 18pt) WCAG AA × Fail

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 69.3684, 81.1805, 89.8552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

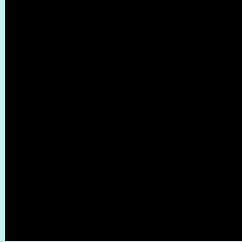
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

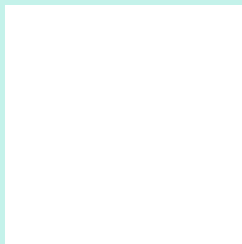
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.3684, 81.1805, 89.8552

Background



This preview shows how black text looks on a background with the XYZ color 69.3684, 81.1805, 89.8552.



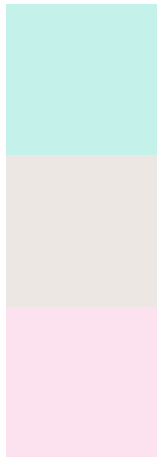
This preview shows how white text looks on a background with the XYZ color 69.3684, 81.1805,

89.8552.

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

69.3684, 81.1805, 89.8552

Protanopia

77.5046, 80.7578, 84.9017

Deuteranopia

82.5027, 80.7189, 92.1209



Tritanopia

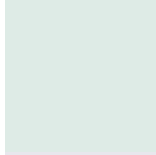
73.5264, 81.2064, 106.4069

Trichromacy



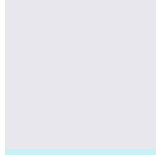
Original Color

69.3684, 81.1805, 89.8552



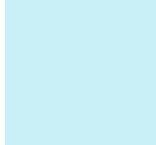
Protanomaly

74.1155, 80.6594, 86.5254



Deuteranomaly

77.1407, 80.4221, 91.5780



Tritanomaly

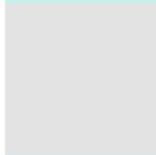
71.7424, 80.8659, 99.8231

Monochromacy



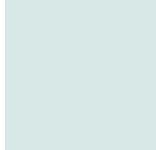
Original Color

69.3684, 81.1805, 89.8552



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.4584, 78.0253, 86.1570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3684, 81.1805, 89.8552 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, 242, 234)` looks like.

```
.text, #text, p{  
    color:rgb(196, 242, 234)  
}
```

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, 242, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 242, 234) }
```

Border

The CSS property to change the border of an element to XYZ 69.3684, 81.1805, 89.8552 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, 242, 234) }
```


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

```
.border{ border-color:rgb(196, 242, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 242, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 242, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 242, 234);  
box-shadow:4px 4px 4px 4px rgb(196, 242,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3684, 81.1805, 89.8552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 242, 234) }
```

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

```
.background{ background-color: rgb(196,  
242, 234) }
```

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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