

Converting Colors

XYZ(69.5397, 80.2564, 89.6405)

Have a look what the booklet for
XYZ(69.5397, 80.2564, 89.6405)
contains.

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Color

**XYZ(69.5646, 80.4028,
89.6948)**

Conversions

Conversions Part 1

Format	Color
Hex	C7F0EA
RGB	199, 240, 234
RGB Percent	78%, 94%, 92%
CMY	0.2196, 0.0588, 0.0823
CMYK	0.17, 0.00, 0.03, 0.06
HSL	171°, 58%, 86%
HSV	171°, 17%, 94%
XYZ	69.5646, 80.4028, 89.6948
YIQ	227.0570, -22.5100, -10.5580

Conversions

Conversions Part 2

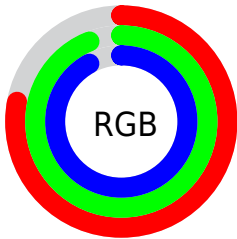
Format	Color
R_{YB}	199, 221, 240
Decimal	13103338
CIE _{Lab}	91.87, -14.34, -1.51
CIE _{LCh}	92, 14.421, 186.011
Yxy	80.4028, 0.2903, 0.3355
Android (android.graphics.Color)	4291293418 (0xFFC7F0EA)
YUV	227.0570, 3.4229, -24.6060
Hunter-Lab	89.6676, -18.4371, 3.4593

Details

The XYZ color **69.5646, 80.4028, 89.6948** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3809, 63.7821, 66.5210**, and the grayscale version is **73.0446, 76.8486, 83.6882**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8534, 43.5151, 48.5763** is the 20% darker color. If you saturate the color by 10%, you get **63.1927, 77.1779, 86.7888**, and if you desaturate by 10%, it is **76.9554, 84.1561, 92.7041**.

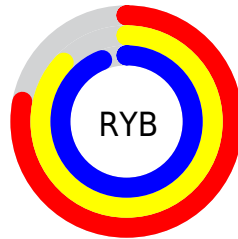
Distribution



Red (78%)

Green (94%)

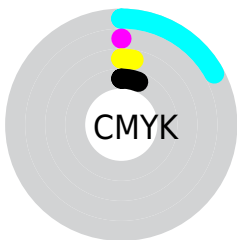
Blue (92%)



Red (78%)

Yellow (87%)

Blue (94%)

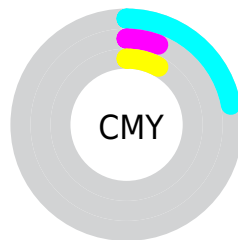


Cyan (17%)

Magenta (0%)

Yellow (3%)

Black (6%)



Cyan (22%)

Magenta (6%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5646, 80.4028, 89.6948 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 69.5646, 80.4028, 89.6948 by changing the saturation by 10% instead.

69.5646, 80.4028,
89.6948

69.5646, 80.4028,
89.6948

448.3101,
496.2893, 547.5820

51.4500, 60.0499,
67.1553

117.6173,
133.9319, 148.8462

36.7893, 43.4588,
48.7484

148.2861,
167.8769, 186.2951

25.2174, 30.2453,
34.0558

183.8703,
207.1213, 229.5509

16.3687, 20.0248,
22.6587

224.7352,
252.0496, 279.0322

9.8779, 12.4131,
14.1388

271.2464,
303.0461, 335.1573

5.3797, 7.0257,
8.0774


323.7690,


2.5088, 3.4782,


360.4953, 398.3450


4.0560


382.6684,
424.7816, 469.0137


 0.8997, 1.3862,
1.6561


 0.0000, 0.2065,
0.3304


 69.5646, 80.4028,
89.6948

 69.5646, 80.4028,
89.6948


 63.1927, 77.1779,
86.7888


 76.9554, 84.1561,
92.7041


 57.7858, 74.4471,
83.9783


 85.4021, 88.4505,
95.8137


 53.2955, 72.1877,
81.2624


 88.8133, 90.1478,
98.7405


 49.6662, 70.3711,
78.6381


 89.3537, 90.3639,
101.5861


 46.8366, 68.9656,
76.1023


 89.9043, 90.5842,
104.4857

 44.7369, 67.9352,
73.6514

 90.4515, 90.8031,
107.3672

 43.2854, 67.2379,
71.2813

 42.3764, 66.8192,
68.9868

 42.1648, 66.7244,
68.3296

Harmonies

Analogous

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



70.1062, 80.4028, 79.5236



69.5646, 80.4028, 89.6948



70.8115, 80.4028, 100.0724

Triad

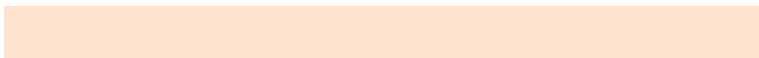
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.5646, 80.4028, 89.6948



80.6779, 80.4028, 105.0732



79.3481, 80.4028, 70.2262

Complementary

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



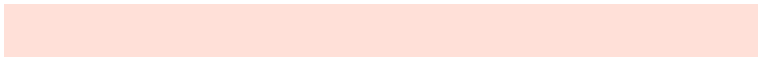
69.5646, 80.4028, 89.6948



67.3809, 63.7821, 66.5210

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.



82.3180, 80.4028, 76.1093



69.5646, 80.4028, 89.6948



83.1029, 80.4028, 96.0884

Square

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



69.5646, 80.4028, 89.6948



77.1675, 80.4028, 109.3999



83.7126, 80.4028, 85.4298



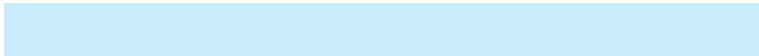
75.6783, 80.4028, 68.8137

Rectangle

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



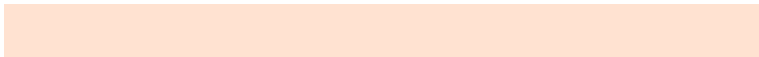
69.5646, 80.4028, 89.6948



72.5137, 80.4028, 105.5392



83.7126, 80.4028, 85.4298



80.4650, 80.4028, 71.7219

Sweetspot

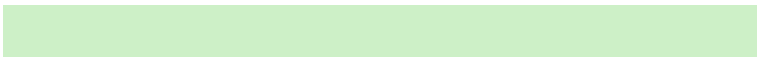
The Sweet Spot groups the original color and five complimentary colors.



69.5669, 80.4061, 89.6966



90.2147, 97.5419, 107.1125



66.6896, 79.4476, 65.8543



19.1695, 20.8068, 22.8732



0.0000, 0.0000, 0.0000



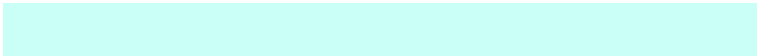
20.3446, 21.4041, 23.3091

Same Dimension

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



69.5669, 80.4061, 89.6966



76.7817, 90.7252, 101.5899



66.3851, 72.6388, 92.9637



16.1421, 17.8868, 19.7710



23.1194, 36.5398, 37.6071



1.9502, 3.0505, 3.2701

Inverse Universe

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



67.3809, 63.7821, 66.5210



73.7763, 67.8612, 69.7203



70.1291, 70.4162, 63.9298



15.8671, 15.7965, 16.8563



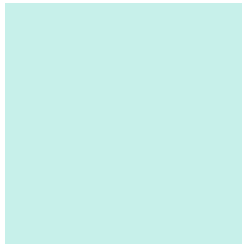
19.8679, 10.2196, 1.9551



1.6815, 0.8616, 0.3135

Previews

White Background



This preview shows how the XYZ color 69.5646, 80.4028, 89.6948 looks on a white background.

Color Contrast Check

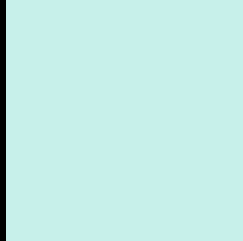
Large Text (above 18pt) WCAG AA × Fail

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 69.5646, 80.4028, 89.6948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

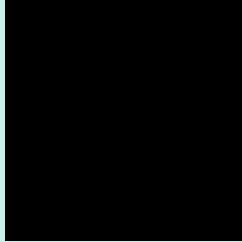
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

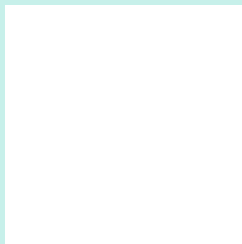
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5646, 80.4028, 89.6948

Background



This preview shows how black text looks on a background with the XYZ color 69.5646, 80.4028, 89.6948.



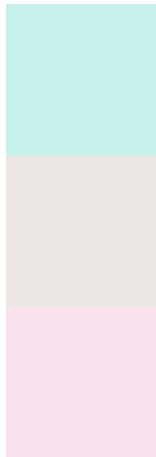
This preview shows how white text looks on a background with the XYZ color 69.5646, 80.4028,

89.6948.

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

69.5646, 80.4028, 89.6948

Protanopia

76.8925, 80.0279, 84.7931

Deuteranopia

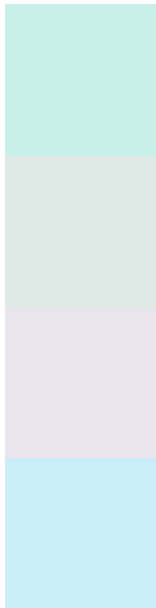
81.7254, 79.9350, 91.2424



Tritanopia

73.2360, 80.6257, 106.3101

Trichromacy



Original Color

69.5646, 80.4028, 89.6948

Protanomaly

74.1372, 80.2468, 86.4446

Deuteranomaly

76.7158, 79.8056, 90.7175

Tritanomaly

71.7202, 80.4210, 99.7384

Monochromacy



Original Color

69.5646, 80.4028, 89.6948

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.7548, 78.1781, 86.1709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5646, 80.4028, 89.6948 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, 240, 234)` looks like.

```
.text, #text, p{  
    color:rgb(199, 240, 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(199, 240, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 240, 234) }
```

Border

The CSS property to change the border of an element to XYZ 69.5646, 80.4028, 89.6948 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, 240, 234) }
```


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

```
.border{ border-color:rgb(199, 240, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 240, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 240, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 240, 234);  
box-shadow:4px 4px 4px 4px rgb(199, 240,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5646, 80.4028, 89.6948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 240, 234) }
```

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

```
.background{ background-color: rgb(199,  
240, 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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