

Converting Colors

XYZ(70.1710, 81.8314, 99.2854)

Have a look what the booklet for
XYZ(70.1710, 81.8314, 99.2854)
contains.

XYZ(70.1710, 81.8314, 99.2854)	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(70.1710, 81.8314,
99.2854)**

Conversions

Conversions Part 1

Format	Color
Hex	BFF3F6
RGB	191, 243, 246
RGB Percent	75%, 95%, 96%
CMY	0.2510, 0.0470, 0.0353
CMYK	0.22, 0.01, 0.00, 0.04
HSL	183°, 75%, 86%
HSV	183°, 22%, 96%
XYZ	70.1710, 81.8314, 99.2854
YIQ	227.7940, -31.9550, -10.0910

Conversions

Conversions Part 2

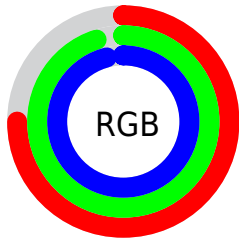
Format	Color
R _{YB}	191, 218, 246
Decimal	12579830
CIE Lab	92.50, -15.77, -6.87
CIE LCh	93, 17.205, 203.542
Yxy	81.8314, 0.2792, 0.3256
Android (android.graphics.Color)	4290769910 (0xFFBFF3F6)
YUV	227.7940, 8.9756, -32.2683
Hunter-Lab	90.4607, -19.8426, -1.7514

Details

The XYZ color **70.1710, 81.8314, 99.2854** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.7026, 61.9382, 57.7314**, and the grayscale version is **73.5474, 77.3776, 84.2642**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **37.2179, 44.4926, 55.3415** is the 20% darker color. If you saturate the color by 10%, you get **64.0976, 78.1092, 98.8884**, and if you desaturate by 10%, it is **77.2912, 86.1018, 99.7357**.

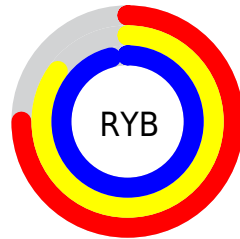
Distribution



Red (75%)

Green (95%)

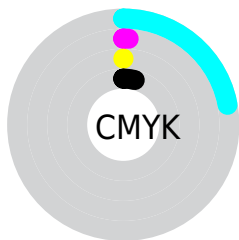
Blue (96%)



Red (75%)

Yellow (85%)

Blue (96%)

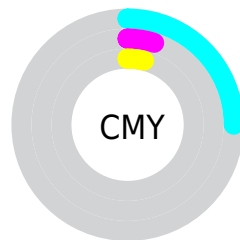


Cyan (22%)

Magenta (1%)

Yellow (0%)

Black (4%)



Cyan (25%)

Magenta (5%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1710, 81.8314, 99.2854 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 70.1710, 81.8314, 99.2854 by changing the saturation by 10% instead.

70.1710, 81.8314,
99.2854

70.1710, 81.8314,
99.2854

450.4072,
501.0836, 579.1263

51.9461, 61.2266,
75.0903

118.4775,
135.9375, 162.2181

37.1862, 44.4080,
55.1847

149.2898,
170.2076, 201.7928

25.5260, 30.9914,
39.1500

185.0286,
209.8016, 247.3312

16.6002, 20.5923,
26.5677

226.0592,
255.1039, 299.2517

10.0434, 12.8263,
17.0193

272.7470,
306.4988, 357.9729

5.4902, 7.3091,
10.0861

325.4574,

2.5753, 3.6561,

364.3708, 423.9134

5.3498

384.5557,
429.1043, 497.4917

■ 0.9334, 1.4831,
2.3916

■ 0.0000, 0.2768,
0.7819

■ 70.1710, 81.8314,
99.2854

■ 70.1710, 81.8314,
99.2854

■ 64.0976, 78.1092,
98.8884

■ 77.2912, 86.1018,
99.7357

■ 59.0118, 74.8984,
98.5367


■ 85.4992, 90.9352,
100.2361


■ 54.8598, 72.1733,
98.2295


■ 91.1436, 94.4514,
100.6173


■ 51.5796, 69.9019,
97.9640


■ 91.5550, 95.2743,
100.7544


 49.1015, 68.0483,
97.7368


 91.9694, 96.1031,
100.8926


 47.3455, 66.5714,
97.5443


 92.3868, 96.9379,
101.0317

 46.2148, 65.4210,
97.3818

 92.8071, 97.7785,
101.1718

 45.6599, 64.7041,
97.2727

 93.2304, 98.6251,
101.3129

 93.6348, 99.4339,
101.4477

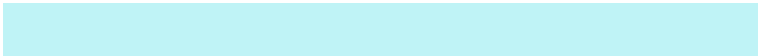
Harmonies

Analogous

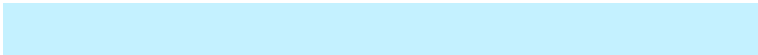
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5565, 81.8314, 86.3640



70.1710, 81.8314, 99.2854



72.7880, 81.8314, 110.3726

Triad

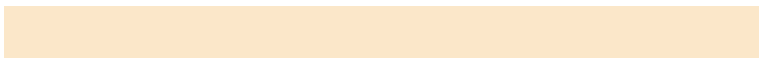
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1710, 81.8314, 99.2854



84.8889, 81.8314, 104.5223



78.7478, 81.8314, 66.8364

Complementary

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



70.1710, 81.8314, 99.2854



66.7026, 61.9382, 57.7314

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.



82.9916, 81.8314, 70.7538



70.1710, 81.8314, 99.2854



86.6237, 81.8314, 91.8942

Square

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



70.1710, 81.8314, 99.2854



81.2577, 81.8314, 113.5926



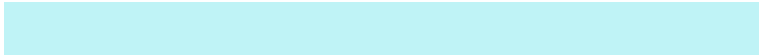
85.9164, 81.8314, 79.6371



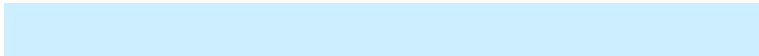
74.3997, 81.8314, 68.4091

Rectangle

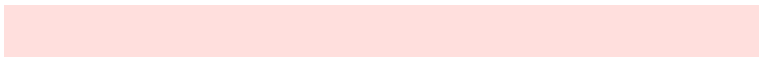
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1710, 81.8314, 99.2854



75.3716, 81.8314, 114.8186



85.9164, 81.8314, 79.6371



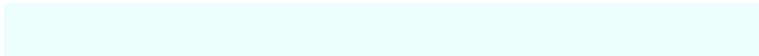
80.2357, 81.8314, 67.5416

Sweetspot

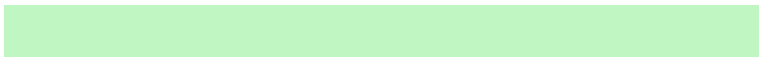
The Sweet Spot groups the original color and five complimentary colors.



70.1734, 81.8347, 99.2873



88.4757, 96.1514, 108.5036



64.1527, 80.8732, 63.1223



18.8221, 20.5124, 23.2172



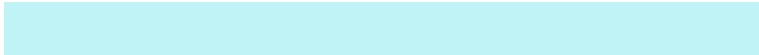
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



70.1734, 81.8347, 99.2873



72.9110, 86.8276, 107.5243



62.6138, 66.7155, 96.7674



16.9148, 18.5939, 21.2401



24.4056, 34.6050, 51.9311



2.1682, 3.0879, 4.5720

Inverse Universe

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



72.8164, 63.3273, 93.1834



76.2823, 63.4218, 99.6934



73.3340, 75.2010, 59.9419



17.1723, 16.7518, 20.6541



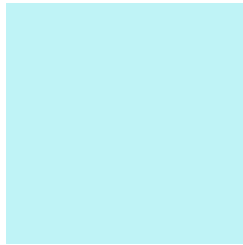
28.1233, 13.5928, 42.2193



2.4835, 1.1994, 3.7724

Previews

White Background



This preview shows how the XYZ color 70.1710, 81.8314, 99.2854 looks on a white background.

Color Contrast Check

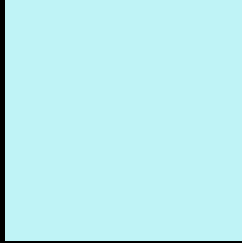
Large Text (above 18pt) WCAG AA × Fail

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 70.1710, 81.8314, 99.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

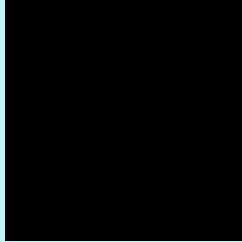
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.1710, 81.8314, 99.2854

Background



This preview shows how black text looks on a background with the XYZ color 70.1710, 81.8314, 99.2854.



This preview shows how white text looks on a background with the XYZ color 70.1710, 81.8314,

99.2854.

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





Tritanopia

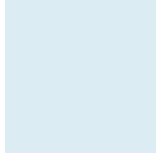
73.2736, 81.5096, 106.4787

Trichromacy



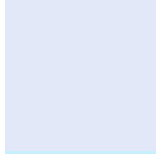
Original Color

70.1710, 81.8314, 99.2854



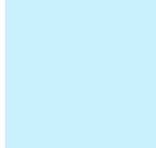
Protanomaly

75.2359, 81.4618, 95.7627



Deuteranomaly

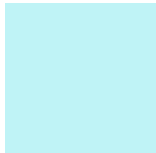
77.4784, 80.8214, 100.3235



Tritanomaly

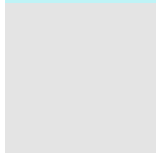
72.0195, 81.3542, 104.0026

Monochromacy



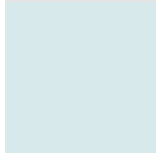
Original Color

70.1710, 81.8314, 99.2854



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

72.1586, 78.7231, 89.9892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1710, 81.8314, 99.2854 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(191, 243, 246)` looks like.

```
.text, #text, p{  
    color:rgb(191, 243, 246)  
}
```

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(191, 243, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 243, 246) }
```

Border

The CSS property to change the border of an element to XYZ 70.1710, 81.8314, 99.2854 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(191, 243, 246) }
```


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

```
.border{ border-color:rgb(191, 243, 246) }
```

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

Here you see how a box with a 4 pixel rgb(191, 243, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 243, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 243, 246);  
box-shadow:4px 4px 4px 4px rgb(191, 243,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1710, 81.8314, 99.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 243, 246) }
```

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

```
.background{ background-color: rgb(191,  
243, 246) }
```

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