

Converting Colors

XYZ(71.4971, 84.5890, 99.6189)

Have a look what the booklet for
XYZ(71.4971, 84.5890, 99.6189)
contains.

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Color

**XYZ(71.6878, 84.8650,
99.7910)**

Conversions

Conversions Part 1

Format	Color
Hex	BFF8F6
RGB	191, 248, 246
RGB Percent	75%, 97%, 96%
CMY	0.2510, 0.0274, 0.0353
CMYK	0.23, 0.00, 0.01, 0.03
HSL	178°, 80%, 86%
HSV	178°, 23%, 97%
XYZ	71.6878, 84.8650, 99.7910
YIQ	230.7290, -33.3300, -12.7060

Conversions

Conversions Part 2

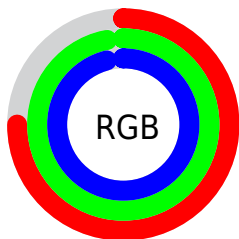
Format	Color
R_{YB}	191, 220, 248
Decimal	12581110
CIE _{Lab}	93.82, -18.25, -4.92
CIE _{LCh}	94, 18.900, 195.080
Yxy	84.8650, 0.2797, 0.3311
Android (android.graphics.Color)	4290771190 (0xFFBFF8F6)
YUV	230.7290, 7.5286, -34.8423
Hunter-Lab	92.1222, -22.3084, 0.2599

Details

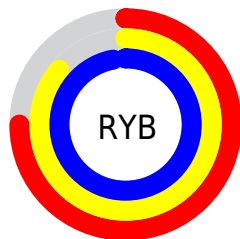
The XYZ color **71.6878, 84.8650, 99.7910** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9708, 61.0707, 58.7136**, and the grayscale version is **75.7198, 79.6631, 86.7531**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **38.2972, 46.6512, 55.7013** is the 20% darker color. If you saturate the color by 10%, you get **65.8385, 81.8672, 98.8223**, and if you desaturate by 10%, it is **78.5986, 88.4144, 100.8163**.

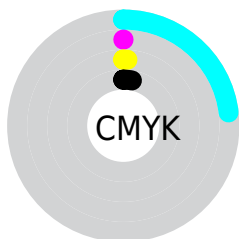
Distribution



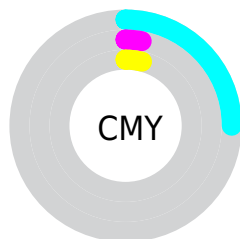
- Red (75%)
- Green (97%)
- Blue (96%)



- Red (75%)
- Yellow (86%)
- Blue (97%)



- Cyan (23%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)



- Cyan (25%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6878, 84.8650, 99.7910 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 71.6878, 84.8650, 99.7910 by changing the saturation by 10% instead.

71.6878, 84.8650,
99.7910

71.6878, 84.8650,
99.7910

455.6287,
511.1813, 580.7633

53.1882, 63.7298,
75.5101

120.6258,
140.1845, 162.9193

38.1811, 46.4319,
55.5266

151.7949,
175.1377, 202.6038

26.3012, 32.5868,
39.4221

187.9179,
215.4657, 248.2599

17.1829, 21.8101,
26.7779

229.3601,
261.5528, 300.3061

10.4611, 13.7174,
17.1755

276.4870,
313.7836, 359.1610

5.7703, 7.9244,
10.1964

329.6638,

2.7453, 4.0466,

372.5423, 425.2432

5.4221

389.2559,
438.2134, 498.9711

■ 1.0205, 1.6997,
2.4339

■ 0.0000, 0.4234,
0.8048

■ 71.6878, 84.8650,
99.7910

■ 71.6878, 84.8650,
99.7910

■ 65.8385, 81.8672,
98.8223

■ 78.5986, 88.4144,
100.8163

■ 60.9903, 79.3832,
97.9019


■ 86.6131, 92.5304,
101.8946


■ 57.0878, 77.3866,
97.0291


■ 91.8480, 95.2134,
102.8462

■ 54.0672, 75.8447,
96.2008


■ 91.9840, 95.2679,
103.5625


 51.8572, 74.7205,
95.4137


 92.1207, 95.3225,
104.2821


 50.3751, 73.9716,
94.6639


 92.2579, 95.3774,
105.0050

 49.5207, 73.5461,
93.9467

 92.3959, 95.4326,
105.7312

 49.1917, 73.3869,
93.4581

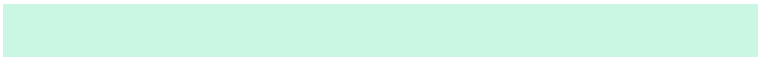
 92.5344, 95.4880,
106.4608

 92.6736, 95.5437,
107.1937

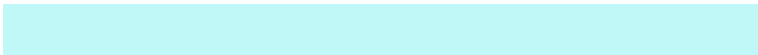
Harmonies

Analogous

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



71.6813, 84.8650, 85.4609



71.6878, 84.8650, 99.7910



74.0300, 84.8650, 113.4140

Triad

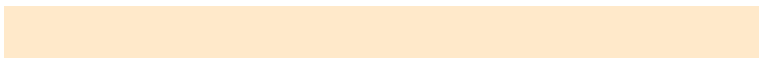
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6878, 84.8650, 99.7910



87.6982, 84.8650, 113.3513



83.1748, 84.8650, 68.1623

Complementary

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



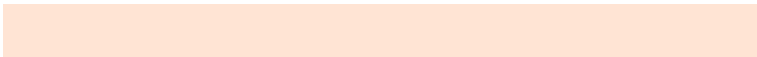
71.6878, 84.8650, 99.7910



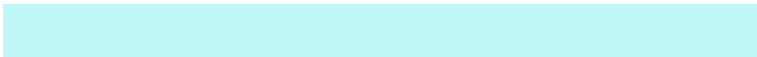
66.9708, 61.0707, 58.7136

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.



87.6780, 84.8650, 74.1628



71.6878, 84.8650, 99.7910



90.3623, 84.8650, 99.7124

Square

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



71.6878, 84.8650, 99.7910



83.2015, 84.8650, 121.7784



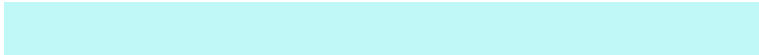
90.3548, 84.8650, 85.3900



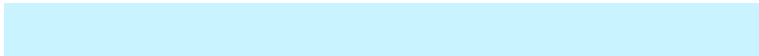
78.1740, 84.8650, 68.1786

Rectangle

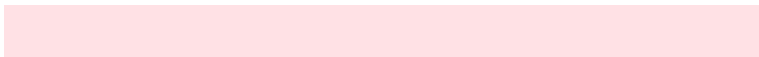
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.6878, 84.8650, 99.7910



76.6588, 84.8650, 119.8375



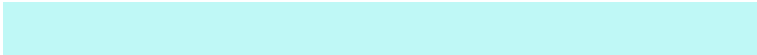
90.3548, 84.8650, 85.3900



84.8014, 84.8650, 69.5127

Sweetspot

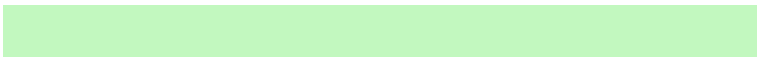
The Sweet Spot groups the original color and five complimentary colors.



71.6903, 84.8685, 99.7929



88.6843, 96.7300, 108.0758



65.1836, 82.3494, 61.7513



18.8706, 20.6469, 23.1177



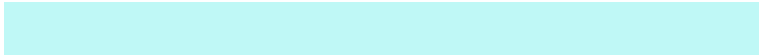
0.0000, 0.0000, 0.0000



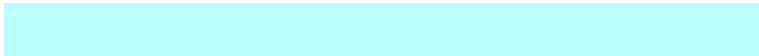
20.3446, 21.4041, 23.3091

Same Dimension

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



71.6903, 84.8685, 99.7929



73.0801, 88.7205, 105.7768



64.6460, 70.2851, 98.9701



17.7379, 19.5974, 22.0864



26.5837, 39.6465, 50.5446



2.4701, 3.6752, 4.7236

Inverse Universe

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



66.9708, 61.0707, 58.7136



67.1721, 58.9248, 54.3485



72.8411, 73.1664, 59.5752



17.2693, 17.2351, 18.0081



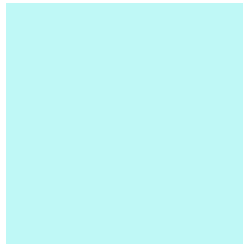
20.9482, 10.7950, 1.1700



1.9486, 1.0032, 0.1527

Previews

White Background



This preview shows how the XYZ color 71.6878, 84.8650, 99.7910 looks on a white background.

Color Contrast Check

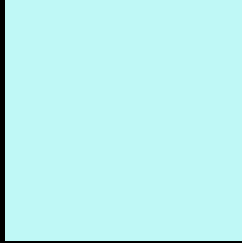
Large Text (above 18pt) WCAG AA × Fail

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 71.6878, 84.8650, 99.7910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

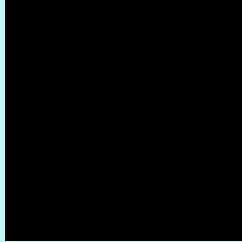
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.6878, 84.8650, 99.7910

Background



This preview shows how black text looks on a background with the XYZ color 71.6878, 84.8650, 99.7910.



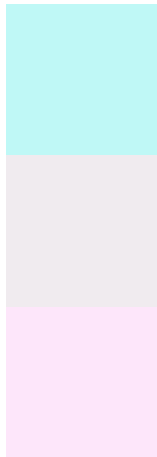
This preview shows how white text looks on a background with the XYZ color 71.6878, 84.8650,

99.7910.

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

71.6878, 84.8650, 99.7910

Protanopia

81.2235, 84.1739, 93.6276

Deuteranopia

86.0601, 84.3784, 102.1933



Tritanopia

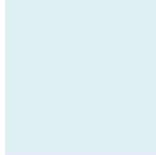
76.6661, 84.5731, 106.8913

Trichromacy



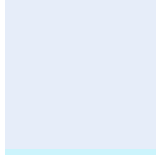
Original Color

71.6878, 84.8650, 99.7910



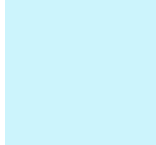
Protanomaly

77.3113, 84.2606, 96.1936



Deuteranomaly

80.0162, 84.2309, 101.6634



Tritanomaly

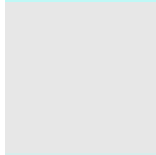
74.8232, 84.5670, 104.4749

Monochromacy



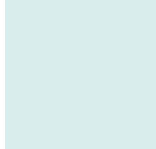
Original Color

71.6878, 84.8650, 99.7910



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.7434, 81.2234, 91.1479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6878, 84.8650, 99.7910 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, 248, 246)` looks like.

```
.text, #text, p{  
    color:rgb(191, 248, 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, 248, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 248, 246) }
```

Border

The CSS property to change the border of an element to XYZ 71.6878, 84.8650, 99.7910 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, 248, 246) }
```


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

```
.border{ border-color:rgb(191, 248, 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, 248, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 248, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 248, 246);  
box-shadow:4px 4px 4px 4px rgb(191, 248,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6878, 84.8650, 99.7910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 248, 246) }
```

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

```
.background{ background-color: rgb(191,  
248, 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](#).

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