

Converting Colors

XYZ(71.3349, 82.5142, 85.7385)

Have a look what the booklet for
XYZ(71.3349, 82.5142, 85.7385)
contains.

XYZ(71.5078, 82.8244, 85.6166)	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(71.5078, 82.8244,
85.6166)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF3E4
RGB	206, 243, 228
RGB Percent	81%, 95%, 89%
CMY	0.1921, 0.0470, 0.1059
CMYK	0.15, 0.00, 0.06, 0.05
HSL	156°, 61%, 88%
HSV	156°, 15%, 95%
XYZ	71.5078, 82.8244, 85.6166
YIQ	230.2270, -17.2370, -12.5090

Conversions

Conversions Part 2

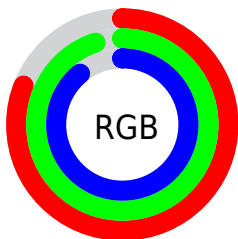
Format	Color
R _{YB}	206, 229, 243
Decimal	13562852
CIE Lab	92.94, -14.81, 3.22
CIE LCh	93, 15.153, 167.714
Yxy	82.8244, 0.2980, 0.3452
Android (android.graphics.Color)	4291752932 (0xFFCEF3E4)
YUV	230.2270, -1.0979, -21.2471
Hunter-Lab	91.0079, -19.0107, 7.9279

Details

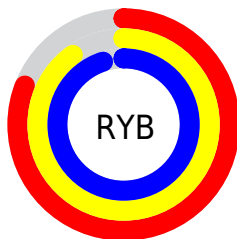
The XYZ color **71.5078, 82.8244, 85.6166** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0876, 68.4200, 77.8174**, and the grayscale version is **75.4008, 79.3275, 86.3876**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0756, 45.1371, 46.2407** is the 20% darker color. If you saturate the color by 10%, you get **63.9475, 79.0828, 78.3259**, and if you desaturate by 10%, it is **80.1937, 87.1418, 93.3704**.

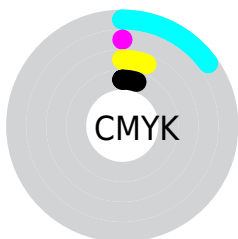
Distribution



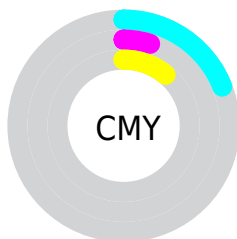
- Red (81%)
- Green (95%)
- Blue (89%)



- Red (81%)
- Yellow (90%)
- Blue (95%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)



- Cyan (19%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5078, 82.8244, 85.6166 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 71.5078, 82.8244, 85.6166 by changing the saturation by 10% instead.

71.5078, 82.8244,
85.6166

71.5078, 82.8244,
85.6166

455.0109,
504.4011, 533.8639

53.0407, 62.0453,
63.7979

120.3711,
137.3295, 143.1161

38.0629, 45.0693,
46.0419

151.4980,
171.8243, 179.6341

26.2089, 31.5120,
31.9300

187.5756,
211.6597, 221.8888

17.1135, 20.9890,
21.0436

228.9692,
257.2203, 270.2989

10.4113, 13.1160,
12.9643

276.0442,
308.8903, 325.2830

5.7368, 7.5085,
7.2736

329.1659,

2.7249, 3.7821,

367.0542, 387.2594

3.5527

388.6997,
432.0963, 456.6469

■ 1.0100, 1.5524,
1.3833

■ 0.0000, 0.3252,
0.1287

■ 71.5078, 82.8244,
85.6166

■ 71.5078, 82.8244,
85.6166

■ 63.9475, 79.0828,
78.3259

■ 80.1937, 87.1418,
93.3704

■ 57.4567, 75.8814,
71.4838

■ 90.0442, 92.0482,
101.5906

■ 51.9851, 73.1966,
65.0827

■ 91.3421, 92.5842,
107.6640

■ 47.4751, 70.9991,
59.1130

■ 43.8632, 69.2562,
53.5644

■ 41.0782, 67.9313,
48.4260

■ 39.0368, 66.9818,
43.6863

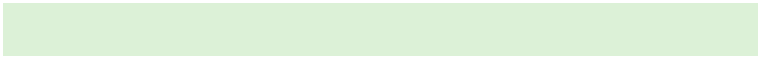
■ 37.6372, 66.3551,
39.3325

■ 37.1226, 66.1324,
37.3847

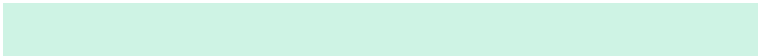
Harmonies

Analogous

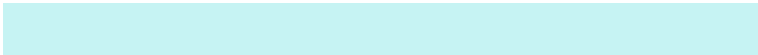
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2175, 82.8244, 76.2790



71.5078, 82.8244, 85.6166



71.6832, 82.8244, 96.9872

Triad

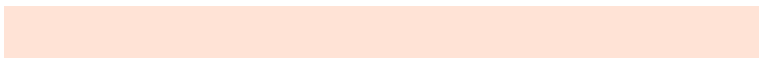
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.5078, 82.8244, 85.6166



81.0639, 82.8244, 112.6121



83.9620, 82.8244, 74.9790

Complementary

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



71.5078, 82.8244, 85.6166



72.0876, 68.4200, 77.8174

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.



86.2074, 82.8244, 83.7022



71.5078, 82.8244, 85.6166



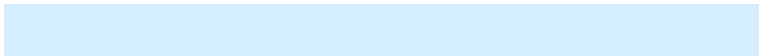
84.4959, 82.8244, 105.6787

Square

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



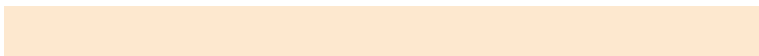
71.5078, 82.8244, 85.6166



77.1115, 82.8244, 113.2336



86.4060, 82.8244, 94.9062



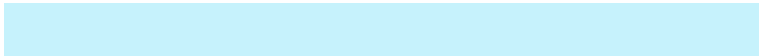
80.3549, 82.8244, 70.4920

Rectangle

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



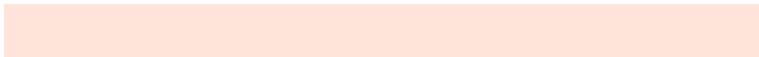
71.5078, 82.8244, 85.6166



72.8458, 82.8244, 104.2033



86.4060, 82.8244, 94.9062



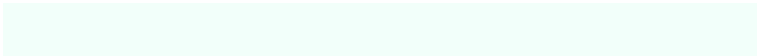
84.9062, 82.8244, 77.4780

Sweetspot

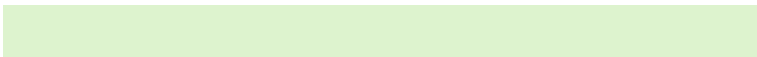
The Sweet Spot groups the original color and five complimentary colors.



71.5101, 82.8279, 85.6184



89.6925, 97.3330, 104.3629



73.1398, 83.9987, 70.7524



19.0424, 20.7559, 22.2037



0.0000, 0.0000, 0.0000



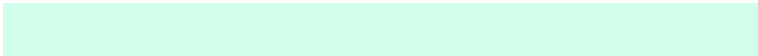
20.3446, 21.4041, 23.3091

Same Dimension

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



71.5101, 82.8279, 85.6184



77.2798, 91.1687, 93.1779



72.7696, 81.8675, 96.7647



16.6957, 18.6374, 19.6821



20.4418, 36.3216, 20.8781



1.8475, 3.2126, 2.1027

Inverse Universe

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



72.0876, 68.4200, 77.8174



78.0285, 72.4954, 83.0689



70.9262, 69.1549, 68.0039



16.7776, 16.5939, 18.5754



21.5726, 10.9725, 7.7234



1.9455, 0.9842, 0.9396

Previews

White Background



This preview shows how the XYZ color 71.5078, 82.8244, 85.6166 looks on a white background.

Color Contrast Check

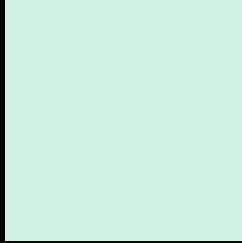
Large Text (above 18pt) WCAG AA × Fail

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 71.5078, 82.8244, 85.6166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

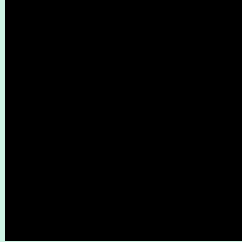
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

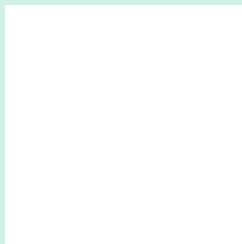
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.5078, 82.8244, 85.6166

Background



This preview shows how black text looks on a background with the XYZ color 71.5078, 82.8244, 85.6166.



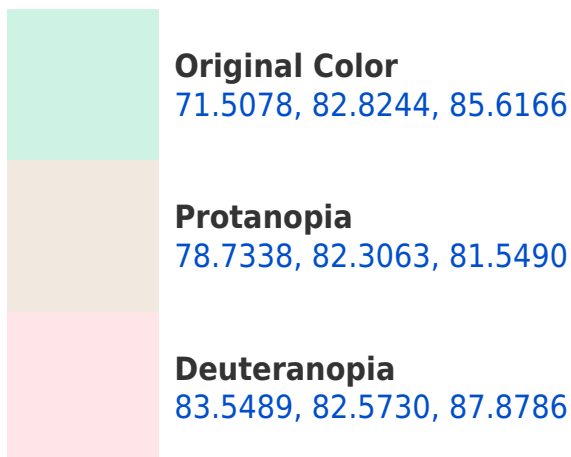
This preview shows how white text looks on a background with the XYZ color 71.5078, 82.8244,

85.6166.

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

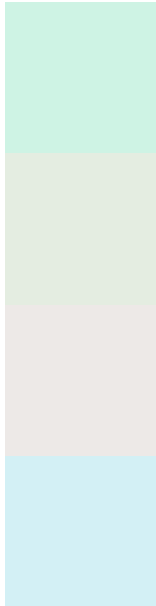




Tritanopia

76.3561, 82.6652, 106.5393

Trichromacy



Original Color

71.5078, 82.8244, 85.6166

Protanomaly

75.8697, 82.4986, 83.1592

Deuteranomaly

78.4878, 82.0519, 87.3022

Tritanomaly

74.5055, 82.7616, 98.4339

Monochromacy



Original Color

71.5078, 82.8244, 85.6166

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.6700, 80.4460, 85.7735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5078, 82.8244, 85.6166 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(206, 243, 228)` looks like.

```
.text, #text, p{  
    color:rgb(206, 243, 228)  
}
```

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(206, 243, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 243, 228) }
```

Border

The CSS property to change the border of an element to XYZ 71.5078, 82.8244, 85.6166 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(206, 243, 228) }
```


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

```
.border{ border-color:rgb(206, 243, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 243, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 243, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 243, 228);  
box-shadow:4px 4px 4px 4px rgb(206, 243,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5078, 82.8244, 85.6166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 243, 228) }
```

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

```
.background{ background-color: rgb(206,  
243, 228) }
```

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