

Converting Colors

XYZ(71.5827, 79.3699, 85.6759)

Have a look what the booklet for
XYZ(71.5827, 79.3699, 85.6759)
contains.

XYZ(71.5827, 79.3699, 85.6759)	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(71.5827, 79.3699,
85.6759)**

Conversions

Conversions Part 1

Format	Color
Hex	D6EBE5
RGB	214, 235, 229
RGB Percent	84%, 92%, 90%
CMY	0.1608, 0.0784, 0.1020
CMYK	0.09, 0.00, 0.03, 0.08
HSL	163°, 34%, 88%
HSV	163°, 9%, 92%
XYZ	71.5827, 79.3699, 85.6759
YIQ	228.0370, -10.5900, -6.3180

Conversions

Conversions Part 2

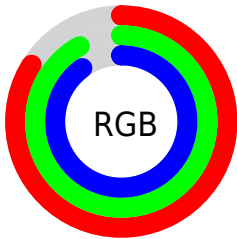
Format	Color
R _Y B	214, 226, 235
Decimal	14085093
CIE Lab	91.40, -8.03, 0.53
CIE LCh	91, 8.044, 176.199
Yxy	79.3699, 0.3025, 0.3354
Android (android.graphics.Color)	4292275173 (0xFFD6EBE5)
YUV	228.0370, 0.4748, -12.3104
Hunter-Lab	89.0898, -12.4843, 5.3448

Details

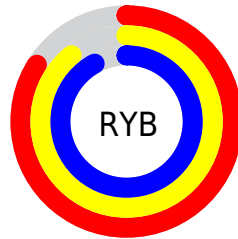
The XYZ color **71.5827, 79.3699, 85.6759** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.2286, 70.9246, 77.6493**, and the grayscale version is **73.7739, 77.6159, 84.5237**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0582, 42.6671, 46.2741** is the 20% darker color. If you saturate the color by 10%, you get **64.2934, 75.7206, 80.5343**, and if you desaturate by 10%, it is **79.9023, 83.5505, 91.0585**.

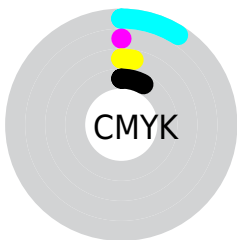
Distribution



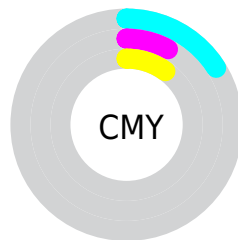
- Red (84%)
- Green (92%)
- Blue (90%)



- Red (84%)
- Yellow (89%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (16%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5827, 79.3699, 85.6759 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 71.5827, 79.3699, 85.6759 by changing the saturation by 10% instead.

71.5827, 79.3699,
85.6759

71.5827, 79.3699,
85.6759

455.2680,
492.8068, 534.0647

53.1021, 59.2000,
63.8466

120.4771,
132.4795, 143.1997

38.1121, 42.7741,
46.0811

151.6216,
166.1879, 179.7313

26.2473, 29.7079,
31.9607

187.7180,
205.1780, 222.0007

17.1424, 19.6170,
21.0669

229.1319,
249.8341, 270.4265

10.4320, 12.1170,
12.9812

276.2285,
300.5407, 325.4273

5.7508, 6.8234,
7.2850

329.3731,

2.7333, 3.3519,

357.6820, 387.4216

3.5598

388.9312,
421.6426, 456.8279

■ 1.0144, 1.3181,
1.3871

■ 0.0000, 0.1551,
0.1316

■ 71.5827, 79.3699,
85.6759

■ 71.5827, 79.3699,
85.6759

■ 64.2934, 75.7206,
80.5343

■ 79.9023, 83.5505,
91.0585

■ 57.9851, 72.5707,
75.6243

■ 87.0424, 87.1167,
96.5757

■ 52.6144, 69.9000,
70.9434

■ 88.0726, 87.5287,
102.0007

■ 48.1319, 67.6832,
66.4871

■ 88.9998, 87.8996,
106.8833

■ 44.4838, 65.8926,
62.2507

■ 41.6100, 64.4971,
58.2290

■ 39.4422, 63.4617,
54.4165

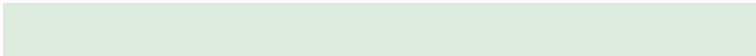
■ 37.8996, 62.7448,
50.8072

■ 36.8601, 62.2833,
47.3929

Harmonies

Analogous

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



72.2180, 79.3699, 80.3054



71.5827, 79.3699, 85.6759



71.9651, 79.3699, 91.4882

Triad

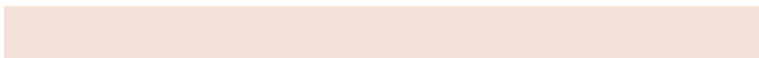
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.5827, 79.3699, 85.6759



77.1881, 79.3699, 96.9241



77.6475, 79.3699, 77.3958

Complementary

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



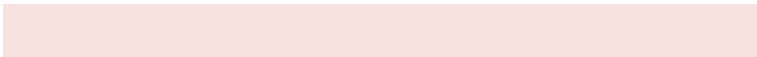
71.5827, 79.3699, 85.6759



71.2286, 70.9246, 77.6493

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.



79.0223, 79.3699, 81.5431



71.5827, 79.3699, 85.6759



78.7537, 79.3699, 92.8380

Square

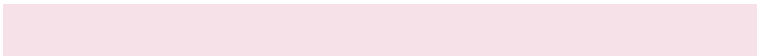
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



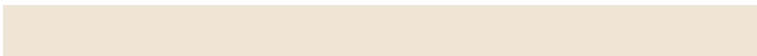
71.5827, 79.3699, 85.6759



75.1783, 79.3699, 98.1514



79.4308, 79.3699, 87.1691



75.6997, 79.3699, 75.6633

Rectangle

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



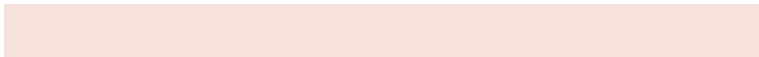
71.5827, 79.3699, 85.6759



72.7495, 79.3699, 94.8060



79.4308, 79.3699, 87.1691



78.1933, 79.3699, 78.5443

Sweetspot

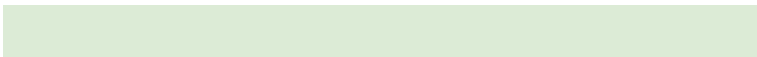
The Sweet Spot groups the original color and five complimentary colors.



71.5849, 79.3733, 85.6777



91.9412, 98.4378, 106.9273



71.4545, 79.5377, 75.2057



19.5055, 20.9825, 22.7749



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.



71.5849, 79.3733, 85.6777



84.2086, 94.5571, 101.7946



71.2494, 77.3373, 89.7735



15.3234, 17.0442, 18.3861



20.5165, 34.6611, 26.4827



1.6521, 2.7382, 2.2959

Inverse Universe

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



71.2286, 70.9246, 77.6493



83.6861, 82.1671, 90.0218



71.5244, 72.7660, 73.8949



15.2425, 15.1248, 16.5622



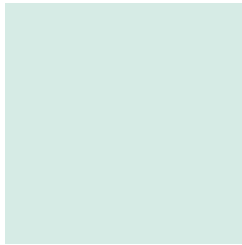
19.6820, 10.0755, 4.1267



1.5857, 0.8072, 0.5357

Previews

White Background



This preview shows how the XYZ color 71.5827, 79.3699, 85.6759 looks on a white background.

Color Contrast Check

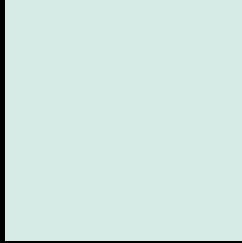
Large Text (above 18pt) WCAG AA × Fail

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 71.5827, 79.3699, 85.6759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

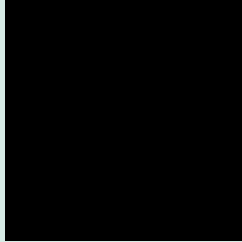
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

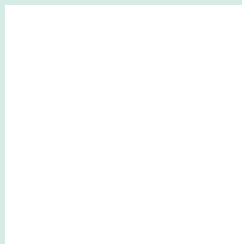
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.5827, 79.3699, 85.6759

Background



This preview shows how black text looks on a background with the XYZ color 71.5827, 79.3699, 85.6759.



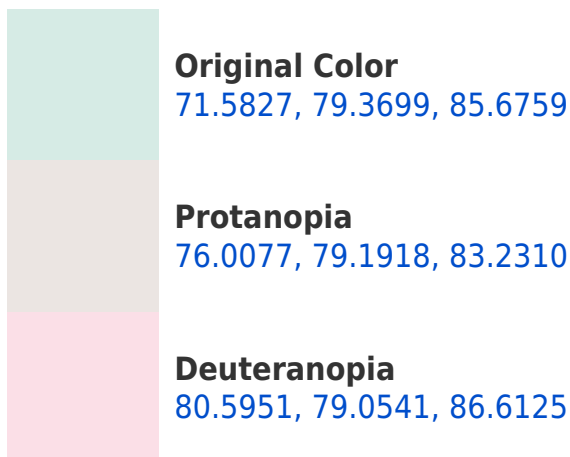
This preview shows how white text looks on a background with the XYZ color 71.5827, 79.3699,

85.6759.

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

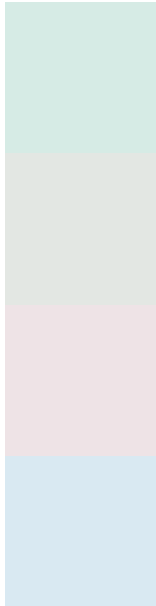




Tritanopia

75.0254, 79.5208, 101.8373

Trichromacy



Original Color

71.5827, 79.3699, 85.6759

Protanomaly

74.1196, 79.0288, 84.0206

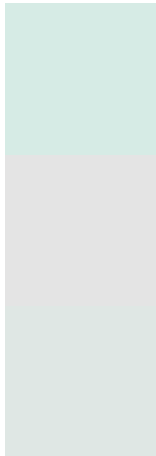
Deuteranomaly

77.0119, 78.8285, 86.0194

Tritanomaly

73.7812, 79.4403, 95.4492

Monochromacy



Original Color

71.5827, 79.3699, 85.6759

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.0109, 78.4412, 84.6914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5827, 79.3699, 85.6759 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(214, 235, 229) looks like.

```
.text, #text, p{  
    color:rgb(214, 235, 229)  
}
```

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(214, 235, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 235, 229) }
```

Border

The CSS property to change the border of an element to XYZ 71.5827, 79.3699, 85.6759 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(214, 235, 229) }
```


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

```
.border{ border-color:rgb(214, 235, 229) }
```

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

Here you see how a box with a 4 pixel rgb(214, 235, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 235, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 235, 229);  
box-shadow:4px 4px 4px 4px rgb(214, 235,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5827, 79.3699, 85.6759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 235, 229) }
```

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

```
.background{ background-color: rgb(214,  
235, 229) }
```

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