

Converting Colors

XYZ(76.8973, 85.7159,
100.6506)

Have a look what the booklet for
XYZ(76.8973, 85.7159, 100.6506)
contains.

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Color

**XYZ(76.8707, 85.7129,
100.4884)**

Conversions

Conversions Part 1

Format	Color
Hex	D6F4F7
RGB	214, 244, 247
RGB Percent	84%, 96%, 97%
CMY	0.1608, 0.0431, 0.0314
CMYK	0.13, 0.01, 0.00, 0.03
HSL	185°, 67%, 90%
HSV	185°, 13%, 97%
XYZ	76.8707, 85.7129, 100.4884
YIQ	235.3720, -18.8430, -5.4270

Conversions

Conversions Part 2

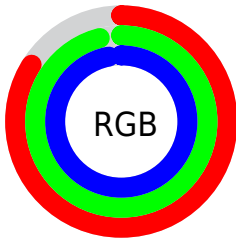
Format	Color
R _Y B	214, 230, 247
Decimal	14087415
CIE Lab	94.19, -9.11, -4.74
CIE LCh	94, 10.267, 207.498
Yxy	85.7129, 0.2922, 0.3258
Android (android.graphics.Color)	4292277495 (0xFFD6F4F7)
YUV	235.3720, 5.7326, -18.7432
Hunter-Lab	92.5813, -13.8077, 0.4531

Details

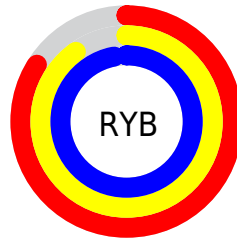
The XYZ color **76.8707, 85.7129, 100.4884** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.3087, 74.2546, 73.9831**, and the grayscale version is **79.2190, 83.3446, 90.7622**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6853, 47.0990, 56.1842** is the 20% darker color. If you saturate the color by 10%, you get **69.5315, 80.9359, 99.9545**, and if you desaturate by 10%, it is **85.3162, 91.0770, 101.0800**.

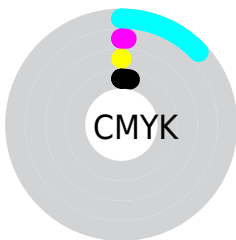
Distribution



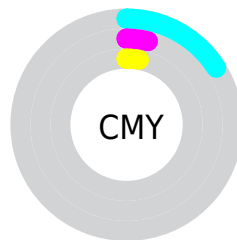
- Red (84%)
- Green (96%)
- Blue (97%)



- Red (84%)
- Yellow (90%)
- Blue (97%)



- Cyan (13%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)



- Cyan (16%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8707, 85.7129, 100.4884 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 76.8707, 85.7129, 100.4884 by changing the saturation by 10% instead.

76.8707, 85.7129,
100.4884

76.8707, 85.7129,
100.4884

473.2218,
513.9841, 583.0174

57.4463, 64.4306,
76.0893

127.9308,
141.3688, 163.8859

41.6052, 46.9995,
55.9987

160.2971,
176.5111, 203.7214

28.9820, 33.0353,
39.7979

197.7082,
217.0423, 249.5395

19.2115, 22.1535,
27.0684

240.5294,
263.3467, 301.7587

11.9281, 13.9697,
17.3917

289.1260,
315.8086, 360.7976

6.7666, 8.0996,
10.3493

343.8633,

3.3616, 4.1587,

374.8126, 427.0746

5.5225

405.1068,
440.7429, 501.0084

■ 1.3477, 1.7628,
2.4929

■ 0.2185, 0.4638,
0.8364

■ 76.8707, 85.7129,
100.4884

■ 76.8707, 85.7129,
100.4884

■ 69.5315, 80.9359,
99.9545

■ 85.3162, 91.0770,
101.0800

■ 63.2419, 76.7099,
99.4703

■ 91.7473, 95.4126,
101.5779

■ 57.9518, 73.0111,
99.0352

■ 92.4428, 96.8036,
101.8097

■ 53.6035, 69.8101,
98.6465

■ 93.1466, 98.2113,
102.0443

■ 50.1339, 67.0740,
98.3013

■ 93.7888, 99.4955,
102.2584

■ 47.4718, 64.7661,
97.9961

■ 45.5347, 62.8440,
97.7272

■ 44.2227, 61.2559,
97.4898

■ 43.5987, 60.3355,
97.3450

Harmonies

Analogous

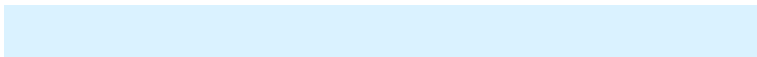
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3028, 85.7129, 92.6679



76.8707, 85.7129, 100.4884



78.6617, 85.7129, 106.6775

Triad

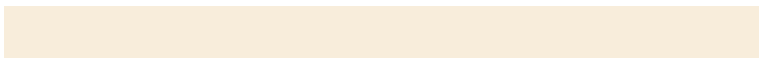
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8707, 85.7129, 100.4884



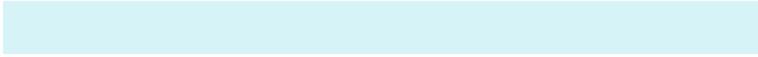
86.0048, 85.7129, 101.6948



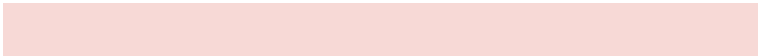
81.6984, 85.7129, 79.0126

Complementary

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



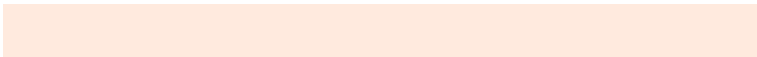
76.8707, 85.7129, 100.4884



75.3087, 74.2546, 73.9831

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.



84.3393, 85.7129, 81.1392



76.8707, 85.7129, 100.4884



86.8603, 85.7129, 93.9887

Square

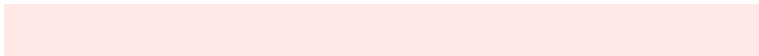
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8707, 85.7129, 100.4884



83.9312, 85.7129, 107.4011



86.2441, 85.7129, 86.5138



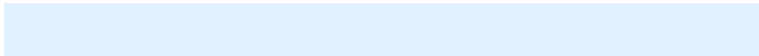
79.0525, 85.7129, 80.5391

Rectangle

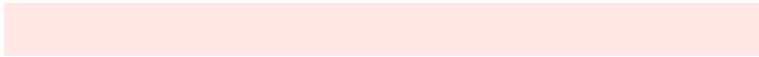
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



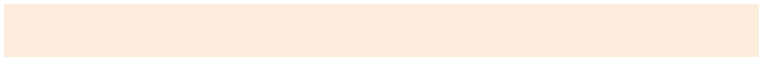
76.8707, 85.7129, 100.4884



80.3293, 85.7129, 108.8911



86.2441, 85.7129, 86.5138



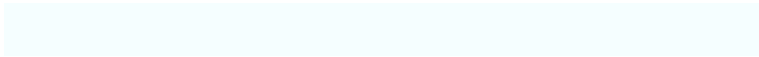
82.6165, 85.7129, 79.3211

Sweetspot

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



76.8732, 85.7165, 100.4903



91.1017, 97.5270, 108.6308



73.4856, 85.8159, 78.1677



19.3453, 20.7777, 23.2408



0.0000, 0.0000, 0.0000



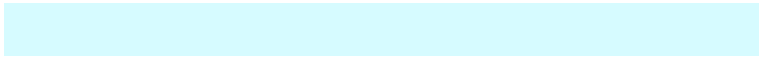
20.3446, 21.4041, 23.3091

Same Dimension

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



76.8732, 85.7165, 100.4903



80.4295, 90.7252, 107.8804



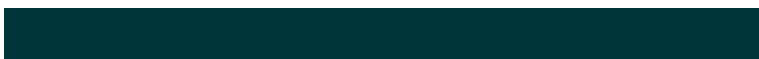
72.1961, 76.3624, 98.9313



16.8605, 18.4853, 21.2219



23.1129, 32.0195, 51.5002



2.0683, 2.8880, 4.5387

Inverse Universe

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



78.7354, 74.4006, 95.8031



82.7964, 76.4381, 101.9012



79.7065, 83.0501, 75.4490



17.1449, 16.7408, 20.5097



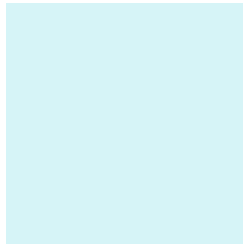
27.4708, 13.3318, 38.7833



2.4330, 1.1792, 3.5068

Previews

White Background



This preview shows how the XYZ color 76.8707, 85.7129, 100.4884 looks on a white background.

Color Contrast Check

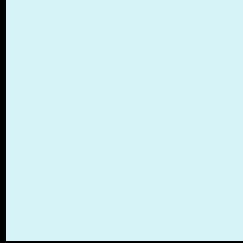
Large Text (above 18pt) WCAG AA × Fail

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 76.8707, 85.7129, 100.4884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

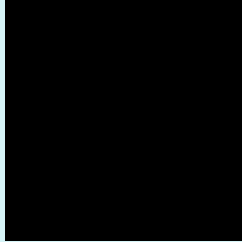
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.8707, 85.7129, 100.4884

Background



This preview shows how black text looks on a background with the XYZ color 76.8707, 85.7129, 100.4884.



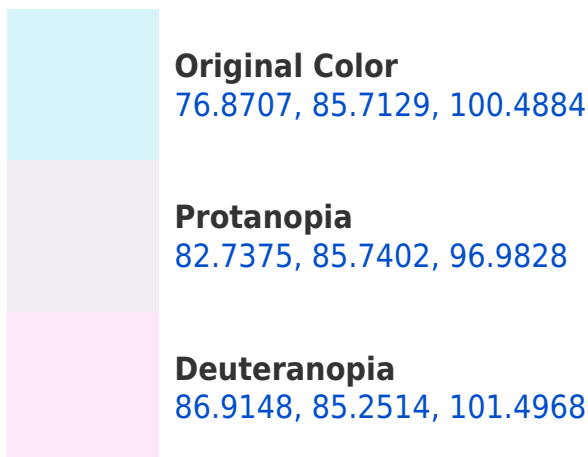
This preview shows how white text looks on a background with the XYZ color 76.8707, 85.7129,

100.4884.

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

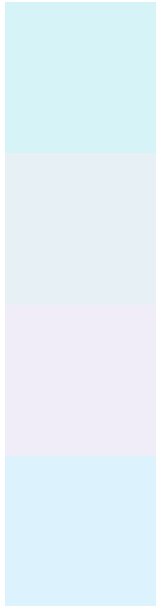




Tritanopia

79.9367, 85.8186, 106.9593

Trichromacy



Original Color

76.8707, 85.7129, 100.4884

Protanomaly

80.4442, 85.8408, 97.9170

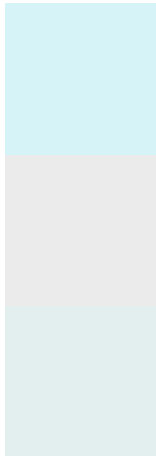
Deuteranomaly

82.8739, 85.2935, 100.9023

Tritanomaly

78.8380, 85.7482, 104.4913

Monochromacy



Original Color

76.8707, 85.7129, 100.4884

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.8331, 83.7120, 93.7171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8707, 85.7129, 100.4884 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, 244, 247) looks like.

```
.text, #text, p{  
    color:rgb(214, 244, 247)  
}
```

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, 244, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 244, 247) }
```

Border

The CSS property to change the border of an element to XYZ 76.8707, 85.7129, 100.4884 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, 244, 247) }
```


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

```
.border{ border-color:rgb(214, 244, 247) }
```

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

Here you see how a box with a 4 pixel rgb(214, 244, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 244, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 244, 247);  
box-shadow:4px 4px 4px 4px rgb(214, 244,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8707, 85.7129, 100.4884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 244, 247) }
```

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

```
.background{ background-color: rgb(214,  
244, 247) }
```

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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