

Converting Colors

XYZ(76.8558, 85.2885, 84.9333)

Have a look what the booklet for
XYZ(76.8558, 85.2885, 84.9333)
contains.

XYZ(76.6686, 85.0579, 85.0500)	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(76.6686, 85.0579,
85.0500)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F2E3
RGB	225, 242, 227
RGB Percent	88%, 95%, 89%
CMY	0.1176, 0.0510, 0.1098
CMYK	0.07, 0.00, 0.06, 0.05
HSL	127°, 40%, 92%
HSV	127°, 7%, 95%
XYZ	76.6686, 85.0579, 85.0500
YIQ	235.2070, -5.3170, -8.2690

Conversions

Conversions Part 2

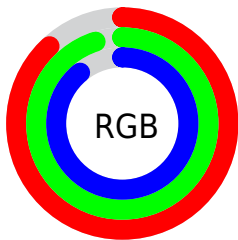
Format	Color
R _Y B	225, 240, 242
Decimal	14807779
CIE Lab	93.91, -8.30, 5.31
CIE LCh	94, 9.853, 147.418
Yxy	85.0579, 0.3107, 0.3447
Android (android.graphics.Color)	4292997859 (0xFFE1F2E3)
YUV	235.2070, -4.0461, -8.9515
Hunter-Lab	92.2268, -13.0091, 9.8826

Details

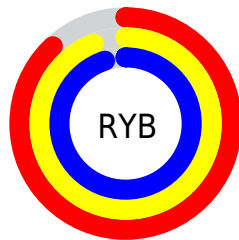
The XYZ color **76.6686, 85.0579, 85.0500** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.2744, 79.0210, 93.5166**, and the grayscale version is **79.1581, 83.2805, 90.6924**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5829, 46.6424, 45.8410** is the 20% darker color. If you saturate the color by 10%, you get **66.8856, 80.3367, 70.1499**, and if you desaturate by 10%, it is **87.8913, 90.4839, 101.9291**.

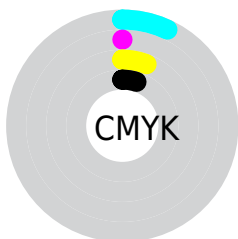
Distribution



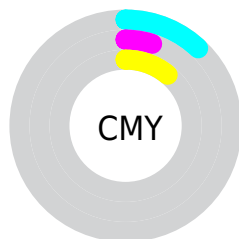
- Red (88%)
- Green (95%)
- Blue (89%)



- Red (88%)
- Yellow (94%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)



- Cyan (12%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6686, 85.0579, 85.0500 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 76.6686, 85.0579, 85.0500 by changing the saturation by 10% instead.

76.6686, 85.0579,
85.0500

76.6686, 85.0579,
85.0500

472.5427,
511.8196, 531.9424

57.2799, 63.8892,
63.3323

127.6469,
140.4541, 142.3178

41.4710, 46.5610,
45.6674

159.9672,
175.4503, 178.7050

28.8766, 32.6887,
31.6366

197.3288,
215.8246, 220.8191

19.1313, 21.8881,
20.8216

240.0969,
261.9613, 269.0787

11.8698, 13.7747,
12.8037

288.6370,
314.2447, 323.9023

6.7266, 7.9641,
7.1644

343.3144,

3.3365, 4.0720,

373.0593, 385.7084

3.4851

404.4945,
438.7895, 454.9156

■ 1.3341, 1.7139,
1.3474

■ 0.2085, 0.4326,
0.1001

■ 76.6686, 85.0579,
85.0500

■ 76.6686, 85.0579,
85.0500

■ 66.8856, 80.3367,
70.1499

■ 87.8913, 90.4839,
101.9291

■ 58.4770, 76.2809,
57.1510

■ 91.0438, 91.9876,
107.5646

■ 51.3832, 72.8639,
45.9785

■ 45.5374, 70.0529,
36.5504

■ 40.8669, 67.8123,
28.7788

■ 37.2914, 66.1028,
22.5679

■ 34.7205, 64.8801,
17.8121

■ 33.0489, 64.0923,
14.3927

■ 32.1446, 63.6743,
12.1722

Harmonies

Analogous

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



78.5443, 85.0579, 80.3727



76.6686, 85.0579, 85.0500



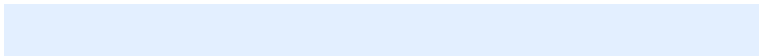
75.9098, 85.0579, 91.9644

Triad

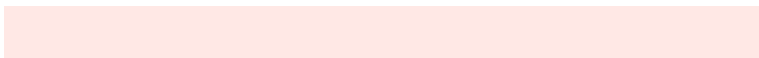
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6686, 85.0579, 85.0500



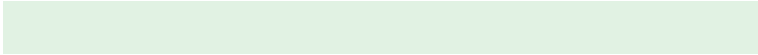
80.6180, 85.0579, 107.8080



85.4058, 85.0579, 86.1192

Complementary

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



76.6686, 85.0579, 85.0500



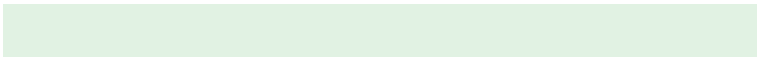
79.2744, 79.0210, 93.5166

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.



85.9896, 85.0579, 93.2658



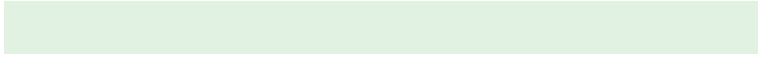
76.6686, 85.0579, 85.0500



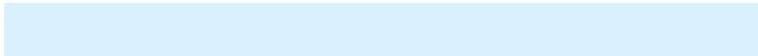
83.1901, 85.0579, 106.0382

Square

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



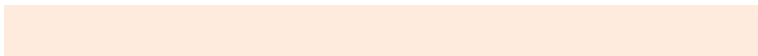
76.6686, 85.0579, 85.0500



78.1590, 85.0579, 105.3276



85.1703, 85.0579, 100.6128



83.5919, 85.0579, 80.9662

Rectangle

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



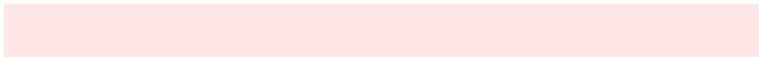
76.6686, 85.0579, 85.0500



76.1269, 85.0579, 97.0058



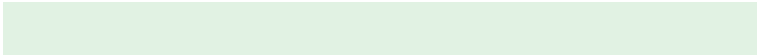
85.1703, 85.0579, 100.6128



85.7541, 85.0579, 88.3560

Sweetspot

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



76.6710, 85.0615, 85.0519



92.4824, 98.7591, 105.0421



81.2872, 87.4730, 83.8349



19.8219, 21.1515, 22.5238



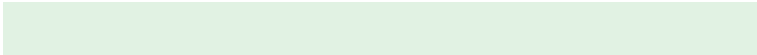
0.0000, 0.0000, 0.0000



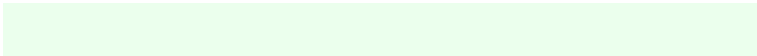
20.3446, 21.4041, 23.3091

Same Dimension

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



76.6710, 85.0615, 85.0519



85.1751, 95.2286, 94.0124



77.8715, 85.5418, 91.3739



15.6415, 17.6866, 17.1352



17.1985, 34.1714, 6.4282



1.4552, 2.8525, 0.6634

Inverse Universe

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



79.2744, 79.0210, 93.5166



88.4999, 87.5143, 104.8224



78.0428, 78.5284, 87.0309



16.3695, 15.9975, 19.5021



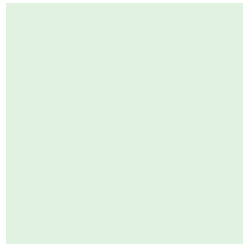
26.1932, 12.7497, 35.2637



2.2015, 1.0696, 3.0519

Previews

White Background



This preview shows how the XYZ color 76.6686, 85.0579, 85.0500 looks on a white background.

Color Contrast Check

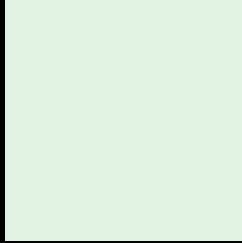
Large Text (above 18pt) WCAG AA × Fail

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 76.6686, 85.0579, 85.0500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

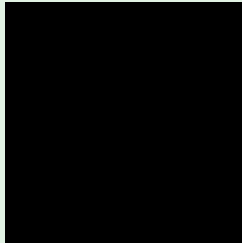
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

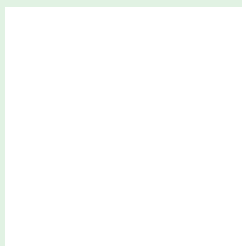
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6686, 85.0579, 85.0500

Background



This preview shows how black text looks on a background with the XYZ color 76.6686, 85.0579, 85.0500.



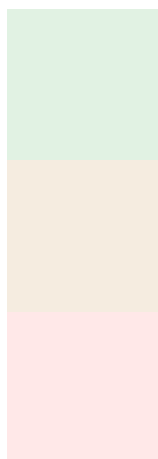
This preview shows how white text looks on a background with the XYZ color 76.6686, 85.0579,

85.0500.

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

76.6686, 85.0579, 85.0500

Protanopia

81.1062, 84.7852, 82.6114

Deuteranopia

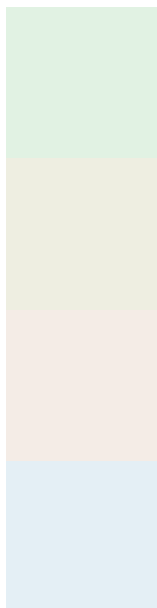
84.6621, 84.7994, 88.2497



Tritanopia

81.2577, 85.1921, 106.7687

Trichromacy



Original Color

76.6686, 85.0579, 85.0500

Protanomaly

79.4250, 84.7625, 83.4088

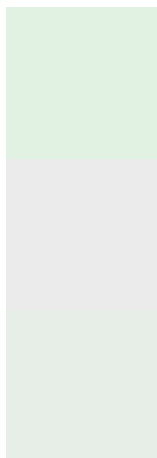
Deuteranomaly

81.5866, 84.9372, 86.9573

Tritanomaly

79.3428, 84.8196, 98.5762

Monochromacy



Original Color

76.6686, 85.0579, 85.0500

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.0950, 83.9642, 88.4346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6686, 85.0579, 85.0500 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(225, 242, 227)` looks like.

```
.text, #text, p{  
    color:rgb(225, 242, 227)  
}
```

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(225, 242, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 242, 227) }
```

Border

The CSS property to change the border of an element to XYZ 76.6686, 85.0579, 85.0500 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(225, 242, 227) }
```


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

```
.border{ border-color:rgb(225, 242, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 242, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 242, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 242, 227);  
box-shadow:4px 4px 4px 4px rgb(225, 242,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6686, 85.0579, 85.0500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 242, 227) }
```

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

```
.background{ background-color: rgb(225,  
242, 227) }
```

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