

Converting Colors

XYZ(76.9554, 85.2155, 89.6374)

Have a look what the booklet for
XYZ(76.9554, 85.2155, 89.6374)
contains.

XYZ(76.8915, 85.0754, 89.4594)	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(76.8915, 85.0754,
89.4594)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF2E9
RGB	223, 242, 233
RGB Percent	87%, 95%, 91%
CMY	0.1255, 0.0510, 0.0863
CMYK	0.08, 0.00, 0.04, 0.05
HSL	152°, 42%, 91%
HSV	152°, 8%, 95%
XYZ	76.8915, 85.0754, 89.4594
YIQ	235.2930, -8.4350, -6.8270

Conversions

Conversions Part 2

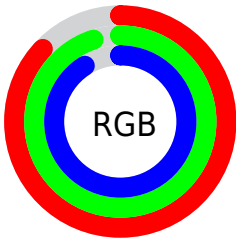
Format	Color
R _Y B	223, 235, 242
Decimal	14676713
CIE Lab	93.92, -7.88, 2.19
CIE LCh	94, 8.182, 164.482
Yxy	85.0754, 0.3058, 0.3384
Android (android.graphics.Color)	4292866793 (0xFFDFF2E9)
YUV	235.2930, -1.1304, -10.7810
Hunter-Lab	92.2363, -12.6096, 7.0605

Details

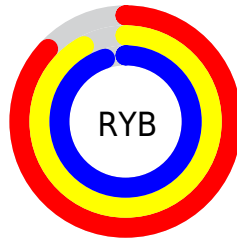
The XYZ color **76.8915, 85.0754, 89.4594** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5741, 77.4809, 87.2146**, and the grayscale version is **79.2038, 83.3285, 90.7448**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6432, 46.6170, 48.3981** is the 20% darker color. If you saturate the color by 10%, you get **68.3769, 80.8715, 80.7876**, and if you desaturate by 10%, it is **86.5831, 89.8785, 98.7455**.

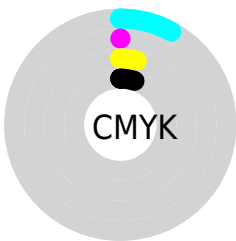
Distribution



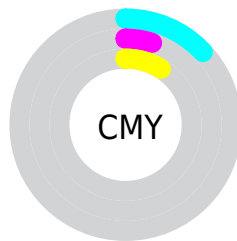
- Red (87%)
- Green (95%)
- Blue (91%)



- Red (87%)
- Yellow (92%)
- Blue (95%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (13%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8915, 85.0754, 89.4594 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 76.8915, 85.0754, 89.4594 by changing the saturation by 10% instead.

76.8915, 85.0754,
89.4594

76.8915, 85.0754,
89.4594

473.2916,
511.8775, 546.7954

57.4634, 63.9037,
66.9612

127.9600,
140.4785, 148.5162

41.6190, 46.5727,
48.5917

160.3311,
175.4787, 185.9119

28.9929, 32.6980,
33.9324

197.7473,
215.8572, 229.1104

19.2197, 21.8952,
22.5647

240.5739,
261.9983, 278.5304

11.9341, 13.7799,
14.0702

289.1763,
314.2865, 334.5903

6.7707, 7.9677,
8.0302

343.9198,

3.3642, 4.0743,

373.1062, 397.7088

4.0262

405.1698,
438.8417, 468.3043

■ 1.3491, 1.7152,
1.6397

■ 0.2195, 0.4335,
0.3189

■ 76.8915, 85.0754,
89.4594

■ 76.8915, 85.0754,
89.4594

■ 68.3769, 80.8715,
80.7876

■ 86.5831, 89.8785,
98.7455

■ 60.9850, 77.2319,
72.7117

■ 91.0437, 91.9875,
107.5646

■ 54.6681, 74.1347,
65.2205

■ 49.3719, 71.5521,
58.3004

■ 45.0373, 69.4539,
51.9371

■ 41.5987, 67.8065,
46.1157

■ 38.9820, 66.5721,
40.8203

■ 37.1000, 65.7058,
36.0341

■ 35.8353, 65.1476,
31.7383

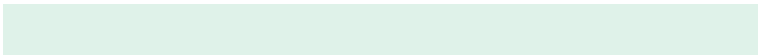
Harmonies

Analogous

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



77.9614, 85.0754, 84.3328



76.8915, 85.0754, 89.4594



76.8725, 85.0754, 95.6658

Triad

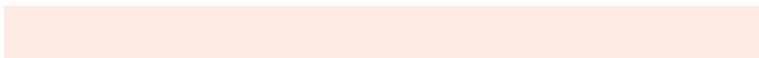
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8915, 85.0754, 89.4594



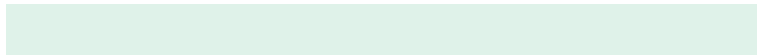
81.9139, 85.0754, 104.7427



83.8878, 85.0754, 84.4770

Complementary

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



76.8915, 85.0754, 89.4594



77.5741, 77.4809, 87.2146

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.



84.9864, 85.0754, 89.6643



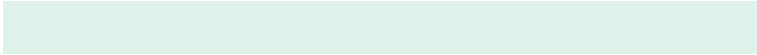
76.8915, 85.0754, 89.4594



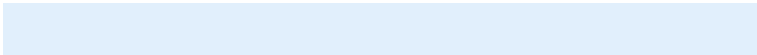
83.8329, 85.0754, 101.4599

Square

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



76.8915, 85.0754, 89.4594



79.7459, 85.0754, 104.6818



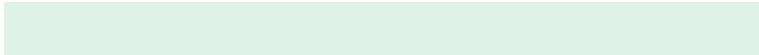
84.9661, 85.0754, 95.8801



81.9877, 85.0754, 81.5455

Rectangle

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



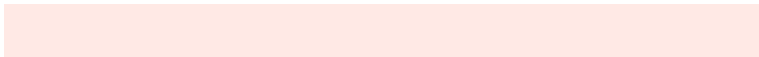
76.8915, 85.0754, 89.4594



77.4570, 85.0754, 99.5932



84.9661, 85.0754, 95.8801



84.3646, 85.0754, 86.0042

Sweetspot

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



76.8939, 85.0790, 89.4613



92.8119, 98.8909, 106.7773



78.4126, 86.0224, 82.2844



19.8890, 21.1783, 22.8771



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.



76.8939, 85.0790, 89.4613



85.4033, 95.2235, 99.5676



78.1193, 85.4185, 96.3788



15.9134, 17.7954, 18.5670



19.1972, 34.9709, 16.9533



1.6473, 2.9294, 1.6751

Inverse Universe

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



77.5741, 77.4809, 87.2146



86.2768, 85.4678, 96.6829



76.4121, 77.1516, 80.6776



16.0846, 15.8836, 18.0017



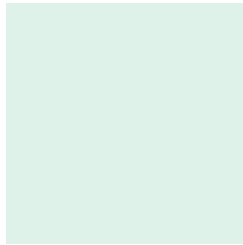
21.3912, 10.8289, 9.9766



1.8295, 0.9208, 1.0929

Previews

White Background



This preview shows how the XYZ color 76.8915, 85.0754, 89.4594 looks on a white background.

Color Contrast Check

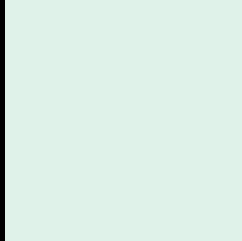
Large Text (above 18pt) WCAG AA × Fail

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 76.8915, 85.0754, 89.4594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

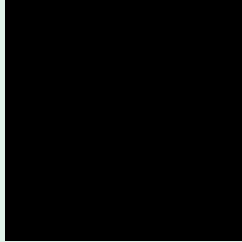
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

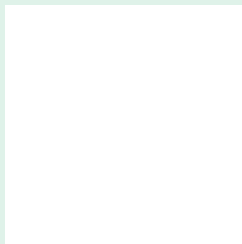
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8915, 85.0754, 89.4594

Background



This preview shows how black text looks on a background with the XYZ color 76.8915, 85.0754, 89.4594.



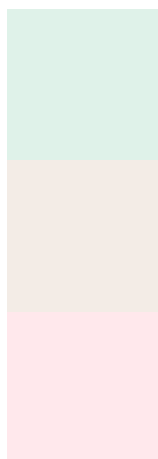
This preview shows how white text looks on a background with the XYZ color 76.8915, 85.0754,

89.4594.

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

76.8915, 85.0754, 89.4594

Protanopia

81.2405, 84.7588, 86.9412

Deuteranopia

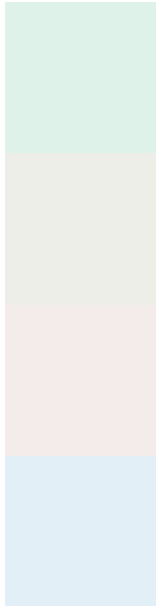
85.2369, 85.0294, 91.2767



Tritanopia

80.6194, 84.8631, 106.7388

Trichromacy



Original Color

76.8915, 85.0754, 89.4594

Protanomaly

79.5904, 84.7515, 87.7651

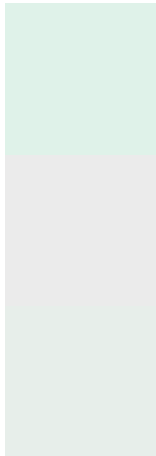
Deuteranomaly

81.9530, 85.0438, 90.6930

Tritanomaly

79.0190, 84.6172, 100.1637

Monochromacy



Original Color

76.8915, 85.0754, 89.4594

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3808, 84.0785, 89.9396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8915, 85.0754, 89.4594 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(223, 242, 233)` looks like.

```
.text, #text, p{  
    color:rgb(223, 242, 233)  
}
```

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(223, 242, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 242, 233) }
```

Border

The CSS property to change the border of an element to XYZ 76.8915, 85.0754, 89.4594 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(223, 242, 233) }
```


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

```
.border{ border-color:rgb(223, 242, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 242, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 242, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 242, 233);  
box-shadow:4px 4px 4px 4px rgb(223, 242,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8915, 85.0754, 89.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 242, 233) }
```

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

```
.background{ background-color: rgb(223,  
242, 233) }
```

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