

Converting Colors

XYZ(80.1611, 86.9646, 79.3863)

Have a look what the booklet for
XYZ(80.1611, 86.9646, 79.3863)
contains.

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Color

**XYZ(80.1349, 86.9695,
79.5811)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF2DB
RGB	239, 242, 219
RGB Percent	94%, 95%, 86%
CMY	0.0627, 0.0510, 0.1412
CMYK	0.01, 0.00, 0.10, 0.05
HSL	68°, 47%, 90%
HSV	68°, 10%, 95%
XYZ	80.1349, 86.9695, 79.5811
YIQ	238.4810, 5.5950, -7.7890

Conversions

Conversions Part 2

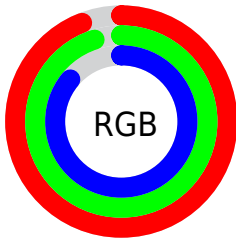
Format	Color
R _Y B	219, 242, 222
Decimal	15725275
CIE Lab	94.73, -4.91, 10.75
CIE LCh	95, 11.820, 114.564
Yxy	86.9695, 0.3248, 0.3526
Android (android.graphics.Color)	4293915355 (0xFFEFF2DB)
YUV	238.4810, -9.6041, 0.4552
Hunter-Lab	93.2574, -9.8178, 14.6852

Details

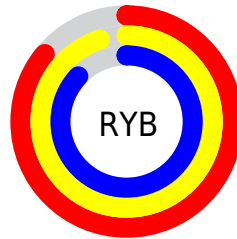
The XYZ color **80.1349, 86.9695, 79.5811** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.4862, 72.6059, 94.2557**, and the grayscale version is **81.7120, 85.9674, 93.6185**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7882, 47.8654, 42.0530** is the 20% darker color. If you saturate the color by 10%, you get **76.1206, 85.2444, 63.9539**, and if you desaturate by 10%, it is **84.6359, 88.8971, 97.6525**.

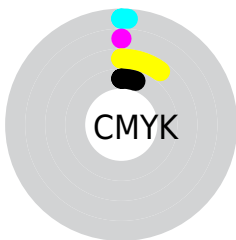
Distribution



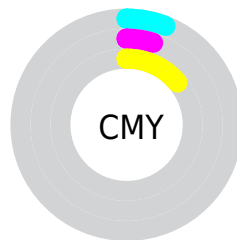
- Red (94%)
- Green (95%)
- Blue (86%)



- Red (86%)
- Yellow (95%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (6%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1349, 86.9695, 79.5811 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 80.1349, 86.9695, 79.5811 by changing the saturation by 10% instead.


 80.1349, 86.9695,
79.5811

 80.1349, 86.9695,
79.5811


484.1170,
518.1226, 513.1895

 60.1382, 65.4700,
58.8496

132.5049,
143.1216, 134.5827

 43.7799, 47.8423,
42.0728


165.6089,
178.5430, 169.6898

 30.6947, 33.7020,
28.8323

203.8128,
219.3738, 210.4259

 20.5172, 22.6648,
18.7095

247.4818,
265.9984, 257.2095

 12.8820, 14.3462,
11.2859

296.9814,
318.8012, 310.4591

 7.4238, 8.3618,
6.1429

352.6769,

 3.7772, 4.3273,

378.1665, 370.5933

2.8620

414.9336,
444.4789, 438.0305

■ 1.5769, 1.8583,
1.0246

■ 0.3773, 0.5231,
0.0000

■ 80.1349, 86.9695,
79.5811

■ 80.1349, 86.9695,
79.5811

■ 76.1206, 85.2444,
63.9539

■ 84.6359, 88.8971,
97.6525

■ 72.5659, 83.7024,
50.6604

■ 87.5731, 90.1986,
107.4022

■ 69.4517, 82.3388,
39.5901

■ 88.6875, 90.7730,
107.4544

■ 66.7548, 81.1442,
30.6213

■ 89.8208, 91.3573,
107.5074

■ 64.4498, 80.1085,
23.6206

■ 90.9732, 91.9514,
107.5613

■ 62.5083, 79.2203,
18.4395

■ 91.0439, 91.9878,
107.5646

■ 60.8981, 78.4667,
14.9082

■ 59.5808, 77.8323,
12.8252

■ 58.4954, 77.2928,
11.8703

Harmonies

Analogous

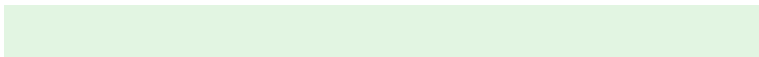
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2451, 86.9695, 78.2415



80.1349, 86.9695, 79.5811



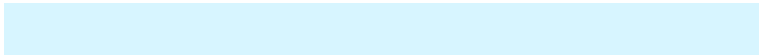
77.7581, 86.9695, 84.8582

Triad

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



80.1349, 86.9695, 79.5811



79.1518, 86.9695, 109.7616



88.9281, 86.9695, 96.3712

Complementary

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



80.1349, 86.9695, 79.5811



71.4862, 72.6059, 94.2557

Split Complementary

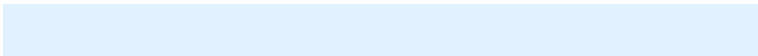
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7677, 86.9695, 105.2640



80.1349, 86.9695, 79.5811



82.0814, 86.9695, 113.3072

Square

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



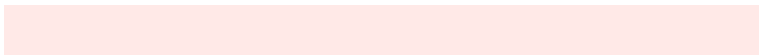
80.1349, 86.9695, 79.5811



77.2008, 86.9695, 102.1970



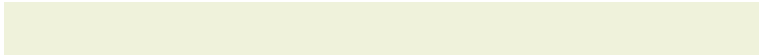
85.2415, 86.9695, 111.6107



88.3747, 86.9695, 87.5694

Rectangle

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



80.1349, 86.9695, 79.5811



76.8818, 86.9695, 90.0899



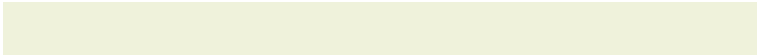
85.2415, 86.9695, 111.6107



88.7247, 86.9695, 99.4544

Sweetspot

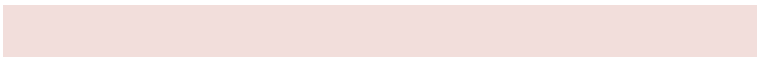
The Sweet Spot groups the original color and five complimentary colors.



80.1373, 86.9733, 79.5830



93.4759, 99.3280, 102.5246



75.4443, 76.0686, 77.7255



19.9195, 21.2226, 21.5891



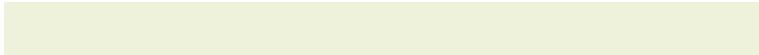
0.0000, 0.0000, 0.0000



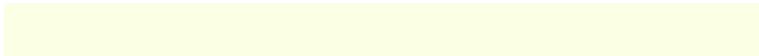
20.3446, 21.4041, 23.3091

Same Dimension

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



80.1373, 86.9733, 79.5830



89.5230, 97.6349, 86.7639



76.4782, 85.0870, 79.4117



16.9079, 18.3482, 16.8001



31.4781, 41.5491, 6.3607



2.6747, 3.4854, 0.5318

Inverse Universe

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



71.4862, 72.6059, 94.2557



78.3360, 79.0556, 105.7383



75.0255, 74.4304, 94.4214



15.0892, 15.3277, 19.8849



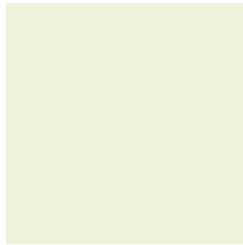
8.9861, 3.6379, 45.3564



0.8080, 0.3338, 3.7761

Previews

White Background



This preview shows how the XYZ color 80.1349, 86.9695, 79.5811 looks on a white background.

Color Contrast Check

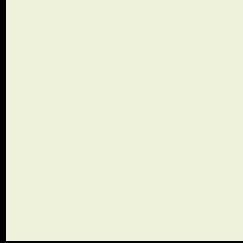
Large Text (above 18pt) WCAG AA × Fail

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 80.1349, 86.9695, 79.5811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

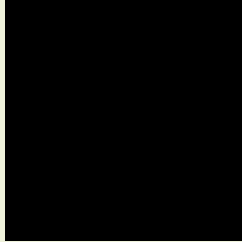
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

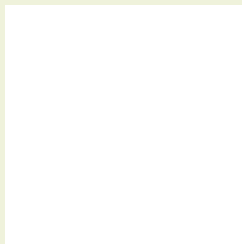
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.1349, 86.9695, 79.5811

Background



This preview shows how black text looks on a background with the XYZ color 80.1349, 86.9695, 79.5811.

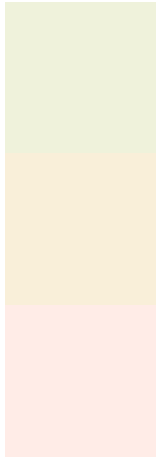


This preview shows how white text looks on a background with the XYZ color 80.1349, 86.9695,

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

80.1349, 86.9695, 79.5811

Protanopia

82.4578, 86.8825, 78.0696

Deuteranopia

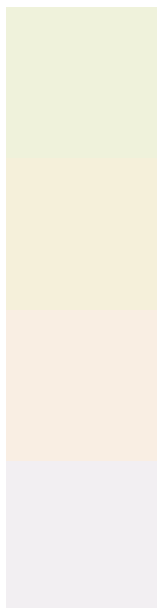
85.6593, 87.0204, 87.8832



Tritanopia

85.6424, 87.0215, 106.8907

Trichromacy



Original Color

80.1349, 86.9695, 79.5811

Protanomaly

81.4712, 86.7946, 78.7887

Deuteranomaly

83.5066, 86.8349, 85.0326

Tritanomaly

83.5115, 87.0211, 96.3996

Monochromacy



Original Color

80.1349, 86.9695, 79.5811

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.5502, 85.6797, 87.8937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1349, 86.9695, 79.5811 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(239, 242, 219) looks like.

```
.text, #text, p{  
    color:rgb(239, 242, 219)  
}
```

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(239, 242, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 242, 219) }
```

Border

The CSS property to change the border of an element to XYZ 80.1349, 86.9695, 79.5811 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(239, 242, 219) }
```


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

```
.border{ border-color:rgb(239, 242, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 242, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 242, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 242, 219);  
box-shadow:4px 4px 4px 4px rgb(239, 242,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1349, 86.9695, 79.5811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 242, 219) }
```

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

```
.background{ background-color: rgb(239,  
242, 219) }
```

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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