

Converting Colors

XYZ(80.0199, 86.4758, 86.5278)

Have a look what the booklet for
XYZ(80.0199, 86.4758, 86.5278)
contains.

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Color

**XYZ(79.8591, 86.2299,
86.5638)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF1E5
RGB	235, 241, 229
RGB Percent	92%, 95%, 90%
CMY	0.0784, 0.0549, 0.1020
CMYK	0.02, 0.00, 0.05, 0.05
HSL	90°, 30%, 92%
HSV	90°, 5%, 95%
XYZ	79.8591, 86.2299, 86.5638
YIQ	237.8380, 0.2760, -5.0040

Conversions

Conversions Part 2

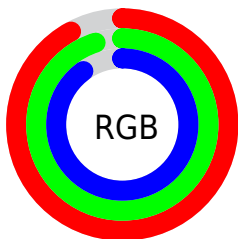
Format	Color
R _Y B	229, 241, 235
Decimal	15462885
CIE Lab	94.41, -4.10, 5.09
CIE LCh	94, 6.532, 128.872
Yxy	86.2299, 0.3161, 0.3413
Android (android.graphics.Color)	4293652965 (0xFFEBF1E5)
YUV	237.8380, -4.3571, -2.4889
Hunter-Lab	92.8601, -8.9962, 9.7321

Details

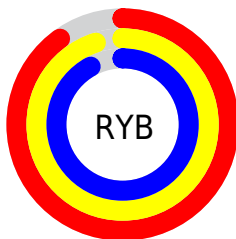
The XYZ color **79.8591, 86.2299, 86.5638** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.1608, 80.0541, 94.5560**, and the grayscale version is **81.1773, 85.4048, 93.0059**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5793, 47.3376, 46.8846** is the 20% darker color. If you saturate the color by 10%, you get **72.8794, 82.9964, 69.8739**, and if you desaturate by 10%, it is **87.5806, 89.7968, 105.7306**.

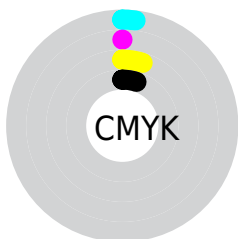
Distribution



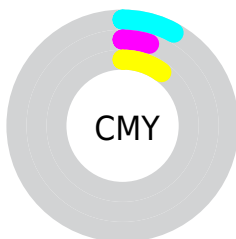
- Red (92%)
- Green (95%)
- Blue (90%)



- Red (90%)
- Yellow (95%)
- Blue (92%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)



- Cyan (8%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8591, 86.2299, 86.5638 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 79.8591, 86.2299, 86.5638 by changing the saturation by 10% instead.

■ 79.8591, 86.2299,
86.5638

■ 79.8591, 86.2299,
86.5638

483.2016,
515.6890, 537.0674

■ 59.9105, 64.8581,
64.5767

132.1192,
142.0903, 144.4495

■ 43.5957, 47.3460,
46.6688

165.1614,
177.3476, 181.1852

■ 30.5493, 33.3093,
32.4214

203.2988,
218.0023, 223.6742

■ 20.4060, 22.3635,
21.4161

246.8967,
264.4386, 272.3350

■ 12.8005, 14.1242,
13.2343

296.3207,
317.0411, 327.5862

■ 7.3674, 8.2071,
7.4575

351.9359,

■ 3.7413, 4.2278,

376.1940, 389.8463

3.6671

414.1078,
442.2819, 459.5338

■ 1.5568, 1.8018,
1.4445

■ 0.3640, 0.4883,
0.1761

■ 79.8591, 86.2299,
86.5638

■ 79.8591, 86.2299,
86.5638

■ 72.8794, 82.9964,
69.8739

■ 87.5806, 89.7968,
105.7306

■ 66.6098, 80.0748,
55.5542

■ 90.7470, 91.3940,
107.4657

■ 61.0269, 77.4578,
43.4986

■ 56.1030, 75.1336,
33.5908

■ 51.8081, 73.0896,
25.7041

■ 48.1098, 71.3122,
19.6985

■ 44.9718, 69.7860,
15.4161

■ 42.3527, 68.4938,
12.6733

■ 40.2029, 67.4149,
11.2444

Harmonies

Analogous

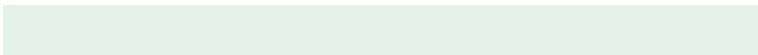
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4396, 86.2299, 84.6599



79.8591, 86.2299, 86.5638



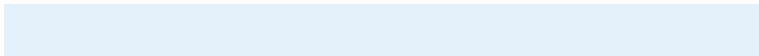
78.8510, 86.2299, 90.4486

Triad

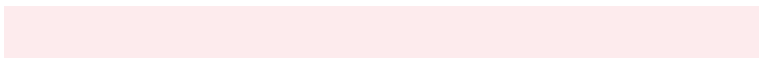
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8591, 86.2299, 86.5638



80.7484, 86.2299, 103.1971



85.3389, 86.2299, 92.4070

Complementary

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



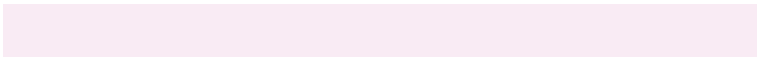
79.8591, 86.2299, 86.5638



78.1608, 80.0541, 94.5560

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.



85.1475, 86.2299, 97.4170



79.8591, 86.2299, 86.5638



82.4805, 86.2299, 103.7671

Square

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



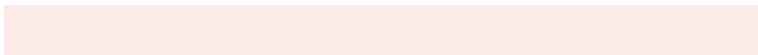
79.8591, 86.2299, 86.5638



79.3593, 86.2299, 100.0871



84.0953, 86.2299, 101.6177



84.6147, 86.2299, 87.9535

Rectangle

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



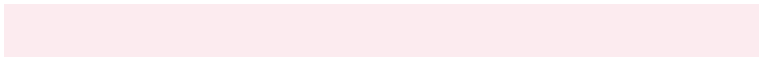
79.8591, 86.2299, 86.5638



78.6308, 86.2299, 93.6995



84.0953, 86.2299, 101.6177



85.3797, 86.2299, 94.0802

Sweetspot

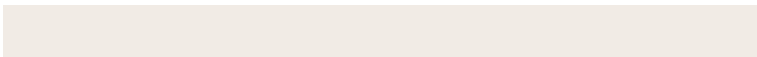
The Sweet Spot groups the original color and five complimentary colors.



79.8615, 86.2336, 86.5657



94.1744, 99.5957, 106.7302



80.1301, 83.7778, 86.0775



20.1664, 21.3219, 22.8675



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.



79.8615, 86.2336, 86.5657



89.9239, 97.6307, 96.3097



77.9138, 85.2295, 86.4745



16.7496, 18.2441, 17.8109



21.4475, 36.3782, 5.8913



1.8990, 3.0855, 0.4955

Inverse Universe

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



78.1608, 80.0541, 94.5560



87.6042, 89.2021, 107.2082



80.1754, 81.0926, 94.6503



16.2728, 16.5116, 20.0510



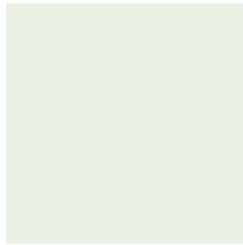
13.0072, 5.7108, 45.5446



1.1968, 0.5342, 3.7943

Previews

White Background



This preview shows how the XYZ color 79.8591, 86.2299, 86.5638 looks on a white background.

Color Contrast Check

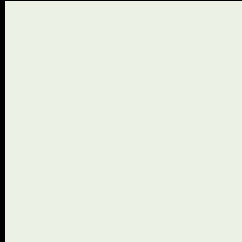
Large Text (above 18pt) WCAG AA × Fail

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 79.8591, 86.2299, 86.5638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

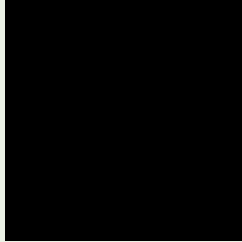
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

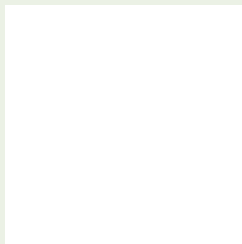
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.8591, 86.2299, 86.5638

Background



This preview shows how black text looks on a background with the XYZ color 79.8591, 86.2299, 86.5638.



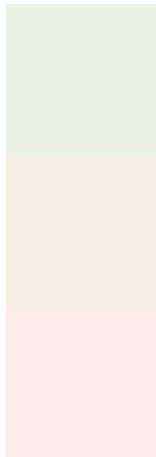
This preview shows how white text looks on a background with the XYZ color 79.8591, 86.2299,

86.5638.

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

79.8591, 86.2299, 86.5638

Protanopia

82.4457, 86.2880, 84.9829

Deuteranopia

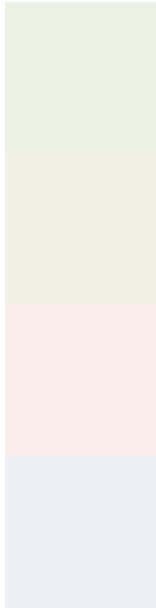
85.5141, 86.0462, 89.9434



Tritanopia

83.9308, 86.1391, 106.8106

Trichromacy



Original Color

79.8591, 86.2299, 86.5638

Protanomaly

81.4880, 86.2117, 85.7444

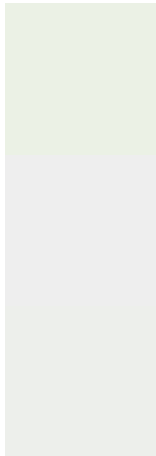
Deuteranomaly

83.5611, 86.3510, 88.6072

Tritanomaly

82.4690, 85.9800, 99.4380

Monochromacy



Original Color

79.8591, 86.2299, 86.5638

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.7870, 85.7357, 90.8880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.8591, 86.2299, 86.5638 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(235, 241, 229) looks like.

```
.text, #text, p{  
    color:rgb(235, 241, 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(235, 241, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 241, 229) }
```

Border

The CSS property to change the border of an element to XYZ 79.8591, 86.2299, 86.5638 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(235, 241, 229) }
```


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

```
.border{ border-color:rgb(235, 241, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 241, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 241, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 241, 229);  
box-shadow:4px 4px 4px 4px rgb(235, 241,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 79.8591, 86.2299, 86.5638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 241, 229) }
```

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

```
.background{ background-color: rgb(235,  
241, 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](#).

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