

Converting Colors

XYZ(80.2916, 86.1844, 99.1727)

Have a look what the booklet for
XYZ(80.2916, 86.1844, 99.1727)
contains.

XYZ(80.2498, 86.1612, 98.7874)	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(80.2498, 86.1612,
98.7874)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F1F5
RGB	229, 241, 245
RGB Percent	90%, 95%, 96%
CMY	0.1020, 0.0549, 0.0392
CMYK	0.07, 0.02, 0.00, 0.04
HSL	195°, 44%, 93%
HSV	195°, 7%, 96%
XYZ	80.2498, 86.1612, 98.7874
YIQ	237.8680, -8.4360, -1.3000

Conversions

Conversions Part 2

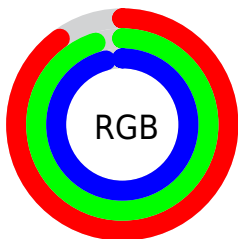
Format	Color
R _Y B	229, 236, 245
Decimal	15069685
CIE Lab	94.38, -3.20, -3.30
CIE LCh	94, 4.604, 225.878
Yxy	86.1612, 0.3026, 0.3249
Android (android.graphics.Color)	4293259765 (0xFFE5F1F5)
YUV	237.8680, 3.5161, -7.7772
Hunter-Lab	92.8231, -8.1189, 1.8765

Details

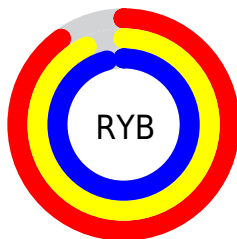
The XYZ color **80.2498, 86.1612, 98.7874** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.9382, 83.3467, 85.9516**, and the grayscale version is **81.1463, 85.3723, 92.9704**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9898, 47.3707, 54.9691** is the 20% darker color. If you saturate the color by 10%, you get **71.1970, 78.8526, 97.8552**, and if you desaturate by 10%, it is **90.4716, 94.1675, 99.7953**.

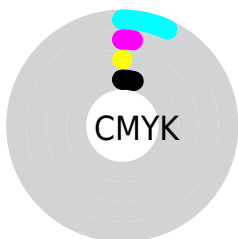
Distribution



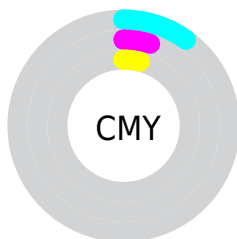
- Red (90%)
- Green (95%)
- Blue (96%)



- Red (90%)
- Yellow (93%)
- Blue (96%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (10%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2498, 86.1612, 98.7874 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 80.2498, 86.1612, 98.7874 by changing the saturation by 10% instead.

80.2498, 86.1612,
98.7874

80.2498, 86.1612,
98.7874

484.4980,
515.4626, 577.5114

60.2331, 64.8013,
74.6770

132.6656,
141.9944, 161.5271

43.8567, 47.3000,
54.8482

165.7953,
177.2365, 200.9935

30.7553, 33.2728,
38.8824

204.0269,
217.8748, 246.4156

20.5635, 22.3355,
26.3611

247.7255,
264.2936, 298.2120

12.9160, 14.1037,
16.8658

297.2565,
316.8774, 356.8013

7.4473, 8.1928,
9.9779

352.9854,

3.7922, 4.2186,

376.0106, 422.6019

5.2789

415.2774,
442.0775, 496.0324

■ 1.5852, 1.7966,
2.3502

■ 0.3828, 0.4850,
0.7592

■ 80.2498, 86.1612,
98.7874

■ 80.2498, 86.1612,
98.7874

■ 71.1970, 78.8526,
97.8552

■ 90.4716, 94.1675,
99.7953

■ 63.2593, 72.2060,
96.9906

■ 92.9240, 98.2573,
100.4555

■ 56.3894, 66.1984,
96.1931

■ 93.4817, 99.3727,
100.6414

■ 50.5335, 60.8012,
95.4600

■ 45.6331, 55.9833,
94.7883

■ 41.6234, 51.7105,
94.1749

■ 38.4310, 47.9438,
93.6161

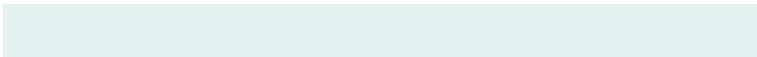
■ 35.9700, 44.6382,
93.1078

■ 34.1329, 41.7371,
92.6446

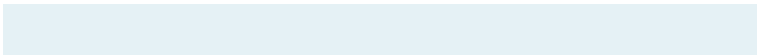
Harmonies

Analogous

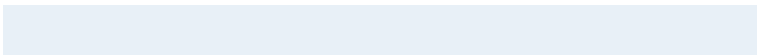
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6284, 86.1612, 95.6898



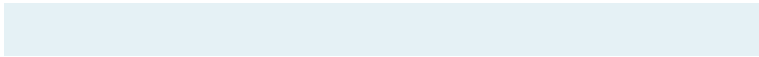
80.2498, 86.1612, 98.7874



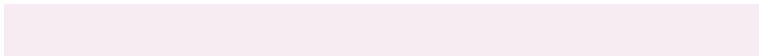
81.3150, 86.1612, 100.5732

Triad

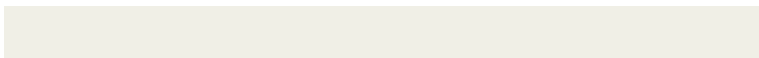
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2498, 86.1612, 98.7874



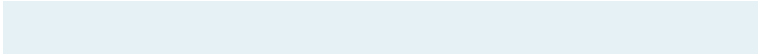
84.2206, 86.1612, 95.4858



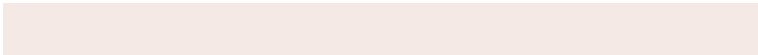
81.2450, 86.1612, 87.4178

Complementary

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



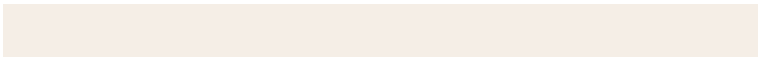
80.2498, 86.1612, 98.7874



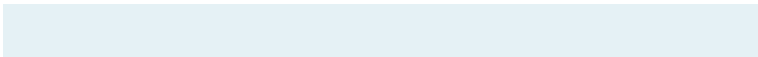
80.9382, 83.3467, 85.9516

Split Complementary

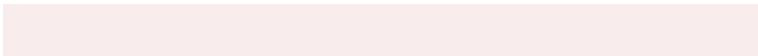
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.4750, 86.1612, 87.3663



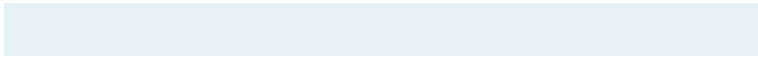
80.2498, 86.1612, 98.7874



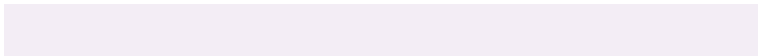
84.2014, 86.1612, 91.9646

Square

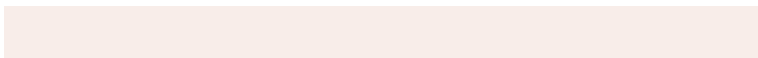
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



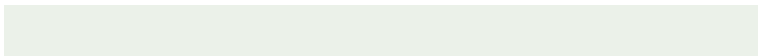
80.2498, 86.1612, 98.7874



83.6120, 86.1612, 98.6348



83.5598, 86.1612, 89.0121



80.1990, 86.1612, 89.1546

Rectangle

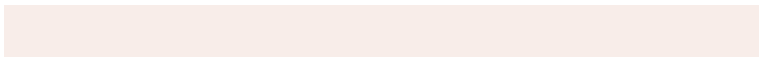
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



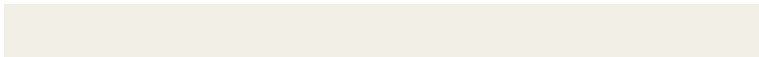
80.2498, 86.1612, 98.7874



82.1373, 86.1612, 100.7514



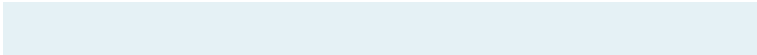
83.5598, 86.1612, 89.0121



81.6504, 86.1612, 87.2043

Sweetspot

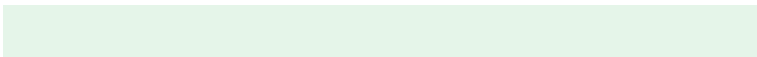
The Sweet Spot groups the original color and five complimentary colors.



80.2523, 86.1648, 98.7893



92.7935, 98.2355, 108.6783



79.6367, 87.8322, 89.6485



19.8853, 21.0450, 23.2640



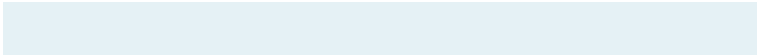
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.2523, 86.1648, 98.7893



86.3351, 93.1263, 108.0326



78.0103, 81.6809, 98.0420



16.6257, 18.0158, 21.1437



18.2069, 22.2076, 49.8649



1.6811, 2.1136, 4.4096

Inverse Universe

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



81.5546, 81.8036, 94.7147



88.0743, 87.3440, 102.5814



83.1768, 87.8239, 86.6978



17.0264, 16.6934, 19.8857



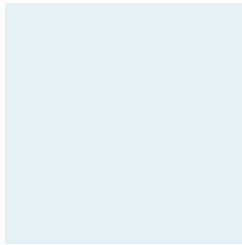
24.9945, 12.3412, 25.7433



2.2376, 1.1010, 2.4776

Previews

White Background



This preview shows how the XYZ color 80.2498, 86.1612, 98.7874 looks on a white background.

Color Contrast Check

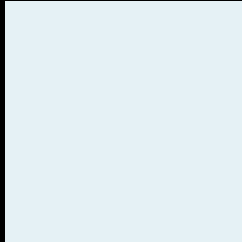
Large Text (above 18pt) WCAG AA × Fail

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 80.2498, 86.1612, 98.7874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

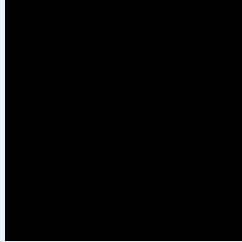
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

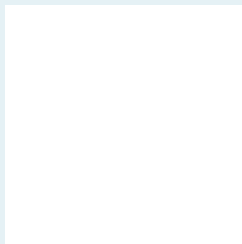
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2498, 86.1612, 98.7874

Background



This preview shows how black text looks on a background with the XYZ color 80.2498, 86.1612, 98.7874.



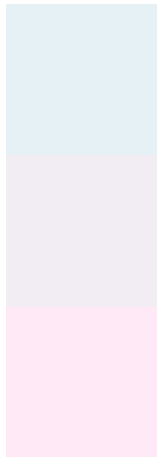
This preview shows how white text looks on a background with the XYZ color 80.2498, 86.1612,

98.7874.

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

80.2498, 86.1612, 98.7874

Protanopia

83.0798, 85.9167, 96.9988

Deuteranopia

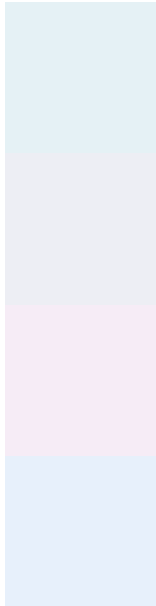
87.0135, 86.1916, 99.2393



Tritanopia

82.1952, 86.1088, 106.8963

Trichromacy



Original Color

80.2498, 86.1612, 98.7874

Protanomaly

81.8287, 85.6852, 97.8140

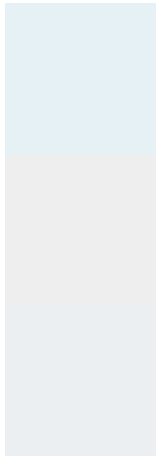
Deuteranomaly

84.6360, 86.2376, 99.3735

Tritanomaly

81.5277, 86.2741, 103.6224

Monochromacy



Original Color

80.2498, 86.1612, 98.7874

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.0046, 85.7460, 95.5003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2498, 86.1612, 98.7874 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(229, 241, 245) looks like.

```
.text, #text, p{  
    color:rgb(229, 241, 245)  
}
```

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(229, 241, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 241, 245) }
```

Border

The CSS property to change the border of an element to XYZ 80.2498, 86.1612, 98.7874 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(229, 241, 245) }
```


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

```
.border{ border-color:rgb(229, 241, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 241, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 241, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 241, 245);  
box-shadow:4px 4px 4px 4px rgb(229, 241,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2498, 86.1612, 98.7874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 241, 245) }
```

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

```
.background{ background-color: rgb(229,  
241, 245) }
```

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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