

Converting Colors

XYZ(80.9563, 86.5161,
102.1621)

Have a look what the booklet for
XYZ(80.9563, 86.5161, 102.1621)
contains.

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Color

**XYZ(80.8673, 86.4082,
102.0388)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F1F9
RGB	229, 241, 249
RGB Percent	90%, 95%, 98%
CMY	0.1020, 0.0549, 0.0235
CMYK	0.08, 0.03, 0.00, 0.02
HSL	204°, 63%, 94%
HSV	204°, 8%, 98%
XYZ	80.8673, 86.4082, 102.0388
YIQ	238.3240, -9.7200, -0.0560

Conversions

Conversions Part 2

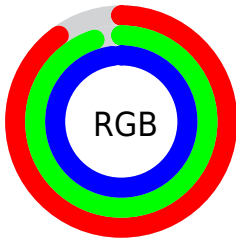
Format	Color
R _Y B	229, 237, 249
Decimal	15069689
CIE Lab	94.49, -2.45, -5.22
CIE LCh	94, 5.770, 244.874
Yxy	86.4082, 0.3003, 0.3208
Android (android.graphics.Color)	4293259769 (0xFFE5F1F9)
YUV	238.3240, 5.2633, -8.1771
Hunter-Lab	92.9560, -7.3865, -0.0141

Details

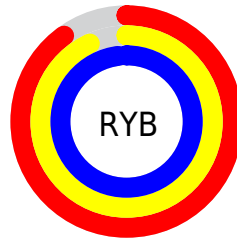
The XYZ color **80.8673, 86.4082, 102.0388** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4943, 86.3646, 86.3996**, and the grayscale version is **81.4870, 85.7307, 93.3607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2082, 47.4324, 57.2774** is the 20% darker color. If you saturate the color by 10%, you get **70.6188, 76.8713, 100.7395**, and if you desaturate by 10%, it is **92.4214, 96.8620, 103.4490**.

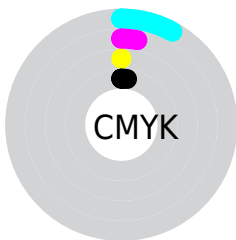
Distribution



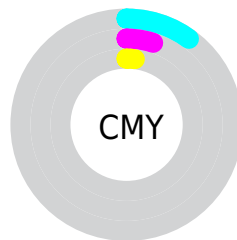
- Red (90%)
- Green (95%)
- Blue (98%)



- Red (90%)
- Yellow (93%)
- Blue (98%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (10%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8673, 86.4082, 102.0388 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 80.8673, 86.4082, 102.0388 by changing the saturation by 10% instead.

80.8673, 86.4082,
102.0388

80.8673, 86.4082,
102.0388

486.5430,
516.2762, 588.0121

60.7432, 65.0056,
77.3780

133.5286,
142.3390, 166.0324

44.2697, 47.4656,
57.0497

166.7965,
177.6359, 206.2022

31.0814, 33.4039,
40.6355

205.1763,
218.3331, 252.3789

20.8130, 22.4360,
27.7169

249.0336,
264.8149, 304.9807

13.0991, 14.1776,
17.8752

298.7335,
317.4657, 364.4265

7.5743, 8.2443,
10.6919

354.6415,

3.8733, 4.2517,

376.6700, 431.1346

5.7485

417.1229,
442.8120, 505.5236

■ 1.6307, 1.8153,
2.6265

■ 0.4123, 0.4967,
0.9061

■ 80.8673, 86.4082,
102.0388

■ 80.8673, 86.4082,
102.0388

■ 70.6188, 76.8713,
100.7395

■ 92.4214, 96.8620,
103.4490

■ 61.6176, 68.2103,
99.5422

■ 94.0991, 99.6197,
103.8928

■ 53.8119, 60.3970,
98.4455

■ 47.1430, 53.3973,
97.4459

■ 41.5470, 47.1741,
96.5396

■ 36.9532, 41.6866,
95.7225

■ 33.2813, 36.8893,
94.9901

■ 30.4370, 32.7291,
94.3370

■ 28.2926, 29.1356,
93.7564

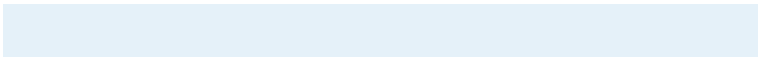
Harmonies

Analogous

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



79.7035, 86.4082, 99.0575



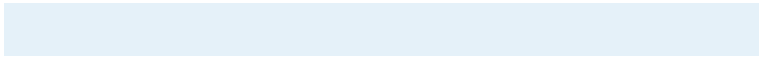
80.8673, 86.4082, 102.0388



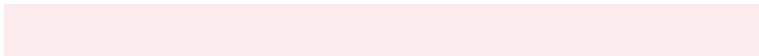
82.3823, 86.4082, 102.8624

Triad

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



80.8673, 86.4082, 102.0388



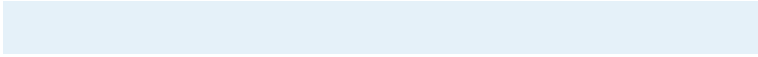
85.1390, 86.4082, 93.3593



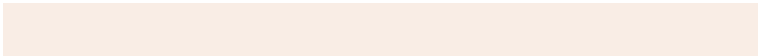
80.4333, 86.4082, 87.2424

Complementary

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



80.8673, 86.4082, 102.0388



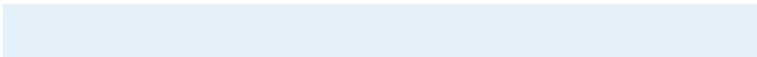
83.4943, 86.3646, 86.3996

Split Complementary

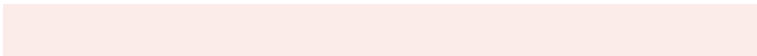
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8750, 86.4082, 85.8195



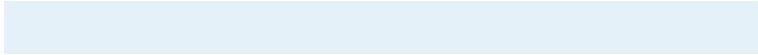
80.8673, 86.4082, 102.0388



84.6020, 86.4082, 89.2795

Square

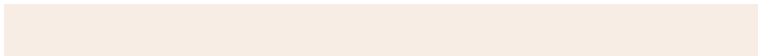
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



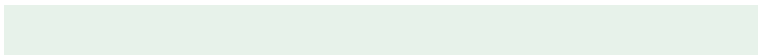
80.8673, 86.4082, 102.0388



84.8610, 86.4082, 97.7611



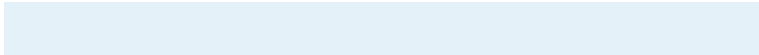
83.4025, 86.4082, 86.5535



79.4551, 86.4082, 90.5000

Rectangle

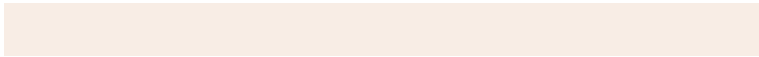
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8673, 86.4082, 102.0388



83.3905, 86.4082, 102.0556



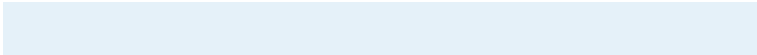
83.4025, 86.4082, 86.5535



80.8791, 86.4082, 86.5384

Sweetspot

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



80.8698, 86.4118, 102.0407



92.5515, 97.7514, 108.5977



81.4276, 90.5058, 93.0448



19.8360, 20.9465, 23.2476



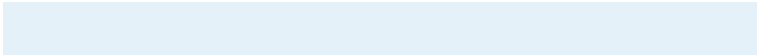
0.0000, 0.0000, 0.0000



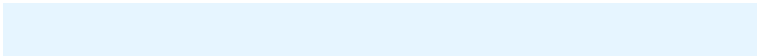
20.3446, 21.4041, 23.3091

Same Dimension

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



80.8698, 86.4118, 102.0407



83.1162, 89.1471, 107.4342



78.0827, 80.8377, 101.1117



17.1496, 18.3760, 22.0283



15.0864, 15.5284, 50.1757



1.5009, 1.6456, 4.6817

Inverse Universe

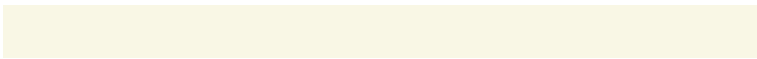
The Inverse Universe completely reimagines the original color for something new.



82.9654, 82.5310, 94.7807



85.8495, 84.1564, 97.9490



86.3701, 92.1161, 87.3582



17.6820, 17.4002, 20.1814



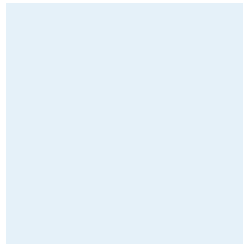
23.9069, 11.9785, 16.7502



2.2665, 1.1303, 1.8270

Previews

White Background



This preview shows how the XYZ color 80.8673, 86.4082, 102.0388 looks on a white background.

Color Contrast Check

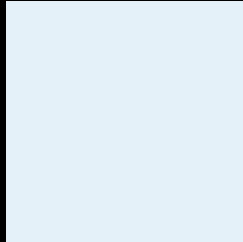
Large Text (above 18pt) WCAG AA × Fail

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 80.8673, 86.4082, 102.0388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

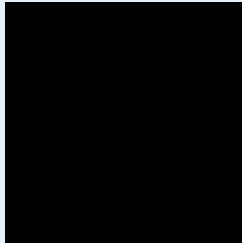
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

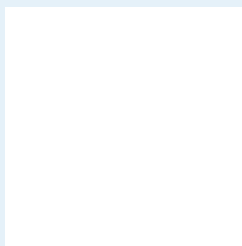
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8673, 86.4082, 102.0388

Background



This preview shows how black text looks on a background with the XYZ color 80.8673, 86.4082, 102.0388.

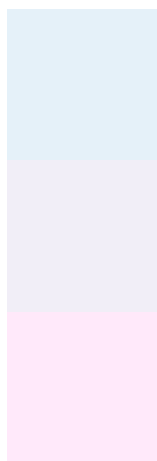


This preview shows how white text looks on a background with the XYZ color 80.8673, 86.4082,

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

80.8673, 86.4082, 102.0388

Protanopia

83.6387, 86.5652, 100.2962

Deuteranopia

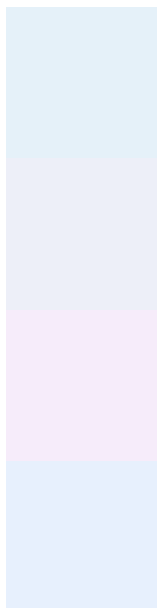
87.6342, 86.4400, 102.5082



Tritanopia

82.1952, 86.1088, 106.8963

Trichromacy



Original Color

80.8673, 86.4082, 102.0388

Protanomaly

82.7348, 86.5148, 101.1454

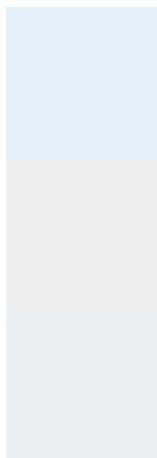
Deuteranomaly

85.2568, 86.4859, 102.6424

Tritanomaly

81.8447, 86.4009, 105.2919

Monochromacy



Original Color

80.8673, 86.4082, 102.0388

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.1545, 85.8060, 96.2893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8673, 86.4082, 102.0388 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, 249) looks like.

```
.text, #text, p{  
    color:rgb(229, 241, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 241, 249) }
```

Border

The CSS property to change the border of an element to XYZ 80.8673, 86.4082, 102.0388 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, 249) }
```


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

```
.border{ border-color:rgb(229, 241, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 241, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 241, 249);  
box-shadow:4px 4px 4px 4px rgb(229, 241,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8673, 86.4082, 102.0388 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, 249) }
```

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

```
.background{ background-color: rgb(229,  
241, 249) }
```

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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