

Converting Colors

XYZ(80.2396, 84.4858, 98.3045)

Have a look what the booklet for
XYZ(80.2396, 84.4858, 98.3045)
contains.

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Color

**XYZ(80.3699, 84.4846,
98.4574)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EDF5
RGB	233, 237, 245
RGB Percent	91%, 93%, 96%
CMY	0.0863, 0.0706, 0.0392
CMYK	0.05, 0.03, 0.00, 0.04
HSL	220°, 38%, 94%
HSV	220°, 5%, 96%
XYZ	80.3699, 84.4846, 98.4574
YIQ	236.7160, -4.9520, 1.6400

Conversions

Conversions Part 2

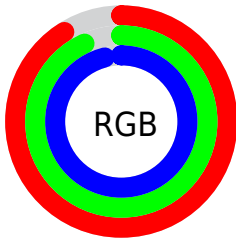
Format	Color
R _Y B	233, 236, 245
Decimal	15330805
CIE Lab	93.66, 0.14, -4.33
CIE LCh	94, 4.334, 271.811
Yxy	84.4846, 0.3052, 0.3209
Android (android.graphics.Color)	4293520885 (0xFFE9EDF5)
YUV	236.7160, 4.0840, -3.2589
Hunter-Lab	91.9155, -4.7737, 0.8310

Details

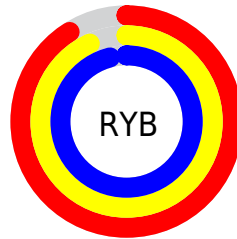
The XYZ color **80.3699, 84.4846, 98.4574** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.8197, 88.2054, 89.6997**, and the grayscale version is **80.2523, 84.4317, 91.9461**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8406, 46.0690, 54.7257** is the 20% darker color. If you saturate the color by 10%, you get **68.4074, 71.6194, 96.6059**, and if you desaturate by 10%, it is **92.9516, 98.3126, 100.4646**.

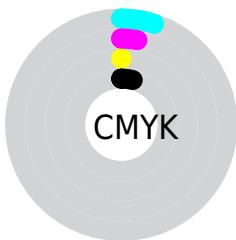
Distribution



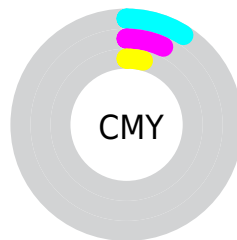
- Red (91%)
- Green (93%)
- Blue (96%)



- Red (91%)
- Yellow (93%)
- Blue (96%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (9%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3699, 84.4846, 98.4574 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 80.3699, 84.4846, 98.4574 by changing the saturation by 10% instead.

80.3699, 84.4846,
98.4574

80.3699, 84.4846,
98.4574

484.8961,
509.9211, 576.4399

60.3323, 63.4156,
74.4032

132.8335,
139.6529, 161.0690

43.9370, 46.1775,
54.6253

165.9901,
174.5209, 200.4635

30.8187, 32.3859,
38.7052

204.2506,
214.7574, 245.8085

20.6120, 21.6564,
26.2244

247.9801,
260.7469, 297.5225

12.9515, 13.6047,
16.7643

297.5440,
312.8735, 356.0241

7.4719, 7.8462,
9.9064

353.3078,

3.8079, 3.9967,

371.5219, 421.7319

5.2322

415.6367,
437.0762, 495.0643

■ 1.5940, 1.6717,
2.3230

■ 0.3885, 0.4052,
0.7441

■ 80.3699, 84.4846,
98.4574

■ 80.3699, 84.4846,
98.4574

■ 68.4074, 71.6194,
96.6059

■ 92.9516, 98.3126,
100.4646

■ 57.9263, 60.1374,
94.9421

■ 93.4817, 99.3727,
100.6413

■ 48.8687, 49.9935,
93.4615

■ 41.1695, 41.1356,
92.1576

■ 34.7588, 33.5082,
91.0232

■ 29.5595, 27.0512,
90.0509

■ 25.4860, 21.6986,
89.2325

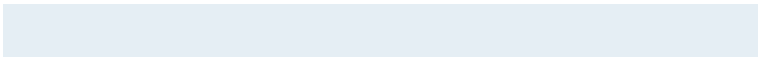
■ 22.4400, 17.3766,
88.5588

■ 20.3028, 13.9993,
88.0195

Harmonies

Analogous

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



79.2613, 84.4846, 97.6778



80.3699, 84.4846, 98.4574



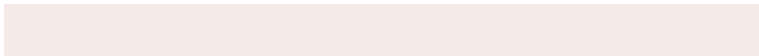
81.4699, 84.4846, 97.4699

Triad

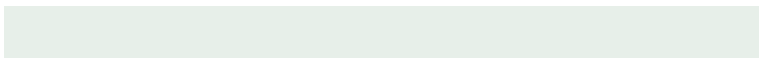
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3699, 84.4846, 98.4574



82.1916, 84.4846, 88.6953



78.3691, 84.4846, 89.0337

Complementary

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



80.3699, 84.4846, 98.4574



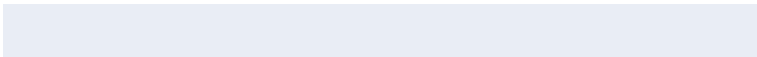
83.8197, 88.2054, 89.6997

Split Complementary

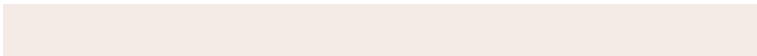
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1415, 84.4846, 86.7182



80.3699, 84.4846, 98.4574



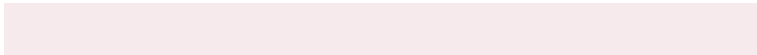
81.3479, 84.4846, 86.5262

Square

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



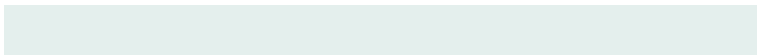
80.3699, 84.4846, 98.4574



82.5279, 84.4846, 91.7896



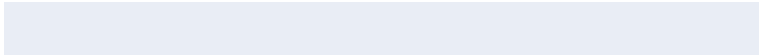
80.2303, 84.4846, 85.8110



78.1128, 84.4846, 92.1894

Rectangle

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



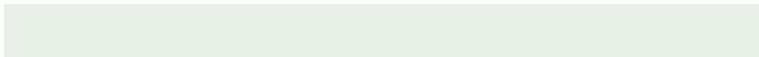
80.3699, 84.4846, 98.4574



82.0485, 84.4846, 95.9557



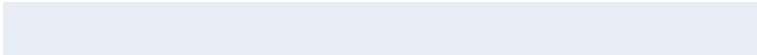
80.2303, 84.4846, 85.8110



78.5767, 84.4846, 88.1339

Sweetspot

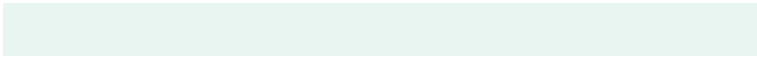
The Sweet Spot groups the original color and five complimentary colors.



80.3723, 84.4882, 98.4593



93.5784, 98.4402, 108.6765



82.1053, 88.9688, 95.9091



20.0451, 21.0867, 23.2636



0.0000, 0.0000, 0.0000



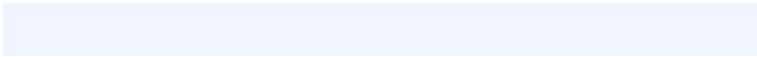
20.3446, 21.4041, 23.3091

Same Dimension

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



80.3723, 84.4882, 98.4593



86.4768, 90.8796, 107.5914



79.8167, 82.5000, 98.1048



16.7806, 17.6318, 21.0614



10.6074, 7.0086, 47.3318



1.0230, 0.7974, 4.1902

Inverse Universe

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



82.0830, 83.8064, 91.9750



88.7635, 89.9843, 98.9204



84.3929, 90.2797, 90.0699



17.2739, 17.4407, 19.1904



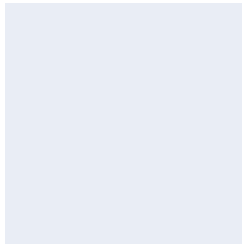
21.1586, 10.8069, 5.5438



1.9054, 0.9681, 0.7283

Previews

White Background



This preview shows how the XYZ color 80.3699, 84.4846, 98.4574 looks on a white background.

Color Contrast Check

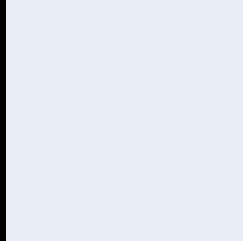
Large Text (above 18pt) WCAG AA × Fail

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 80.3699, 84.4846, 98.4574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

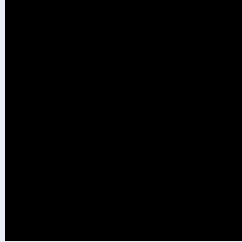
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

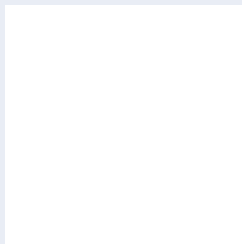
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3699, 84.4846, 98.4574

Background



This preview shows how black text looks on a background with the XYZ color 80.3699, 84.4846, 98.4574.



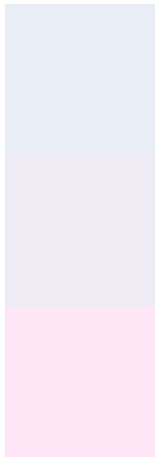
This preview shows how white text looks on a background with the XYZ color 80.3699, 84.4846, 98.4574.

98.4574.

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

80.3699, 84.4846, 98.4574

Protanopia

81.6341, 84.2990, 97.5567

Deuteranopia

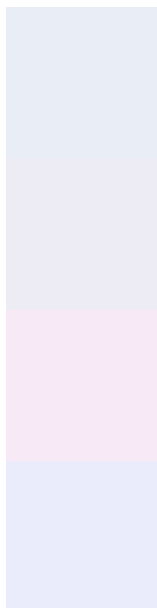
86.1714, 84.5074, 98.9586



Tritanopia

81.8165, 84.6391, 105.7907

Trichromacy



Original Color

80.3699, 84.4846, 98.4574

Protanomaly

81.2496, 84.5271, 97.6210

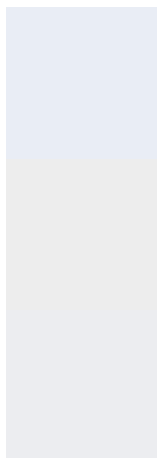
Deuteranomaly

84.1312, 84.7058, 99.1044

Tritanomaly

81.3397, 84.4484, 103.2799

Monochromacy



Original Color

80.3699, 84.4846, 98.4574

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.6044, 84.6925, 94.5371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3699, 84.4846, 98.4574 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(233, 237, 245)` looks like.

```
.text, #text, p{  
    color:rgb(233, 237, 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(233, 237, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 237, 245) }
```

Border

The CSS property to change the border of an element to XYZ 80.3699, 84.4846, 98.4574 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(233, 237, 245) }
```


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

```
.border{ border-color:rgb(233, 237, 245) }
```

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

Here you see how a box with a 4 pixel rgb(233, 237, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 237, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 237, 245);  
box-shadow:4px 4px 4px 4px rgb(233, 237,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3699, 84.4846, 98.4574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 237, 245) }
```

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

```
.background{ background-color: rgb(233,  
237, 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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