

Converting Colors

XYZ(80.4091, 84.2636, 96.2279)

Have a look what the booklet for
XYZ(80.4091, 84.2636, 96.2279)
contains.

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Color

**XYZ(80.2834, 84.0639,
95.9990)**

Conversions

Conversions Part 1

Format	Color
Hex	EBECF2
RGB	235, 236, 242
RGB Percent	92%, 93%, 95%
CMY	0.0784, 0.0745, 0.0510
CMYK	0.03, 0.02, 0.00, 0.05
HSL	231°, 21%, 94%
HSV	231°, 3%, 95%
XYZ	80.2834, 84.0639, 95.9990
YIQ	236.3850, -2.5220, 1.6540

Conversions

Conversions Part 2

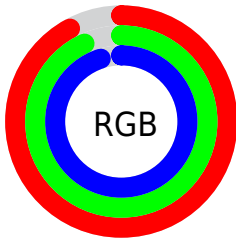
Format	Color
R _Y B	235, 236, 242
Decimal	15461618
CIE Lab	93.48, 0.75, -3.02
CIE LCh	93, 3.115, 283.992
Yxy	84.0639, 0.3084, 0.3229
Android (android.graphics.Color)	4293651698 (0xFFEBECF2)
YUV	236.3850, 2.7682, -1.2146
Hunter-Lab	91.6864, -4.1511, 2.1016

Details

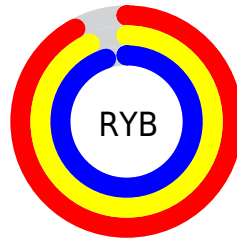
The XYZ color **80.2834, 84.0639, 95.9990** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.0687, 87.7850, 91.1645**, and the grayscale version is **80.0067, 84.1733, 91.6647**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7746, 45.7714, 52.9820** is the 20% darker color. If you saturate the color by 10%, you get **67.2053, 68.9723, 93.7766**, and if you desaturate by 10%, it is **93.0273, 99.1909, 98.2484**.

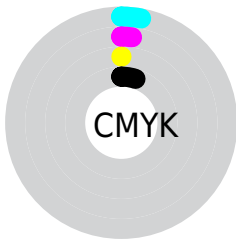
Distribution



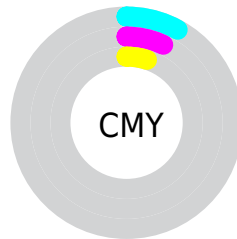
- Red (92%)
- Green (93%)
- Blue (95%)



- Red (92%)
- Yellow (93%)
- Blue (95%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (8%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2834, 84.0639, 95.9990 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 80.2834, 84.0639, 95.9990 by changing the saturation by 10% instead.

80.2834, 84.0639,
95.9990

80.2834, 84.0639,
95.9990

484.6094,
508.5254, 568.4241

60.2609, 63.0682,
72.3653

132.7125,
139.0646, 157.6515

43.8792, 45.8964,
52.9684

165.8498,
173.8383, 196.5073

30.7730, 32.1641,
37.3900

204.0894,
213.9735, 241.2742

20.5771, 21.4868,
25.2115

247.7967,
259.8546, 292.3707

12.9259, 13.4803,
16.0142

297.3370,
311.8659, 350.2154

7.4542, 7.7601,
9.3798

353.0756,

3.7966, 3.9418,

370.3919, 415.2269

4.8895

415.3780,
435.8169, 487.8236

■ 1.5877, 1.6411,
2.1250

■ 0.3844, 0.3851,
0.6306

■ 80.2834, 84.0639,
95.9990

■ 80.2834, 84.0639,
95.9990

■ 67.2053, 68.9723,
93.7766

■ 93.0273, 99.1909,
98.2484

■ 55.8372, 55.7532,
91.8242

■ 46.1102, 44.3364,
90.1332

■ 37.9476, 34.6431,
88.6924

■ 31.2670, 26.5888,
87.4899

■ 25.9779, 20.0817,
86.5127

■ 21.9799, 15.0208,
85.7465

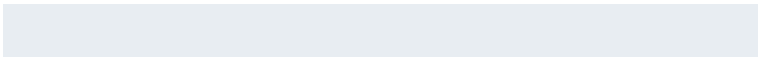
■ 19.1588, 11.2926,
85.1756

■ 17.3790, 8.7659,
84.7817

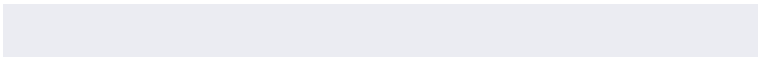
Harmonies

Analogous

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



79.4647, 84.0639, 95.9564



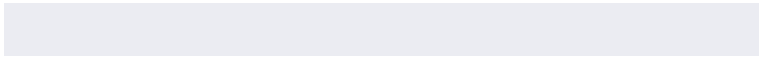
80.2834, 84.0639, 95.9990



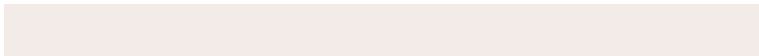
81.0042, 84.0639, 94.8302

Triad

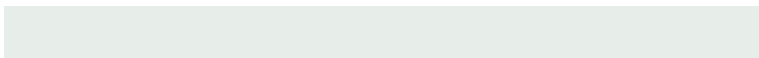
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2834, 84.0639, 95.9990



81.0439, 84.0639, 88.4199



78.3890, 84.0639, 90.2874

Complementary

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



80.2834, 84.0639, 95.9990



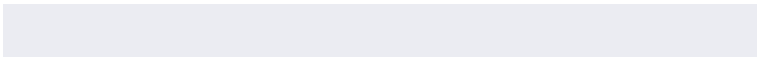
83.0687, 87.7850, 91.1645

Split Complementary

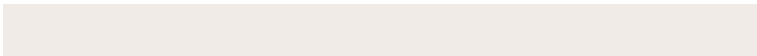
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8063, 84.0639, 88.3098



80.2834, 84.0639, 95.9990



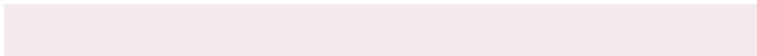
80.3373, 84.0639, 87.2443

Square

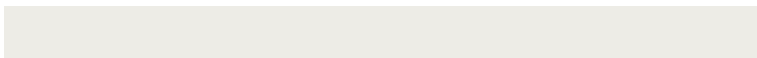
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



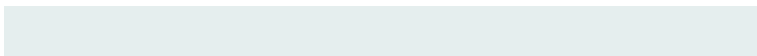
80.2834, 84.0639, 95.9990



81.4453, 84.0639, 90.4400



79.5183, 84.0639, 87.2044



78.3747, 84.0639, 92.6313

Rectangle

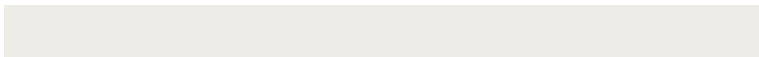
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



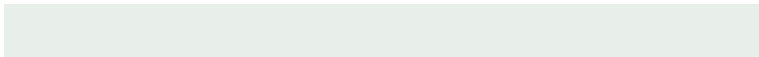
80.2834, 84.0639, 95.9990



81.3307, 84.0639, 93.5327



79.5183, 84.0639, 87.2044



78.4866, 84.0639, 89.5587

Sweetspot

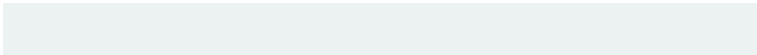
The Sweet Spot groups the original color and five complimentary colors.



80.2858, 84.0675, 96.0008



93.4252, 98.1338, 108.6254



81.8841, 87.5157, 95.7577



20.0140, 21.0244, 23.2532



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.



80.2858, 84.0675, 96.0008



90.2364, 94.4680, 108.0859



80.8121, 83.9108, 95.9429



16.6745, 17.4328, 20.2076



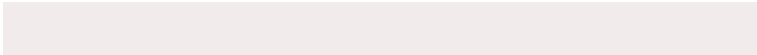
8.9867, 4.1976, 45.4644



0.8036, 0.4612, 3.8009

Inverse Universe

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



81.4684, 84.3516, 91.3488



91.6207, 94.8009, 102.6407



82.5314, 87.9504, 91.2247



16.9995, 17.5116, 18.9290



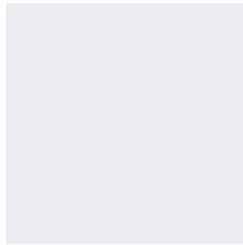
19.8617, 10.2171, 1.9223



1.6806, 0.8613, 0.3087

Previews

White Background



This preview shows how the XYZ color 80.2834, 84.0639, 95.9990 looks on a white background.

Color Contrast Check

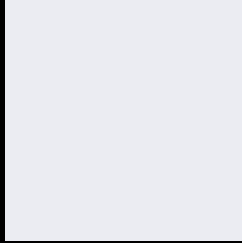
Large Text (above 18pt) WCAG AA × Fail

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 80.2834, 84.0639, 95.9990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

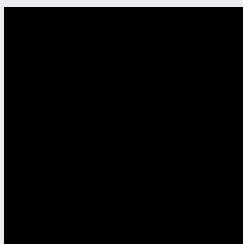
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

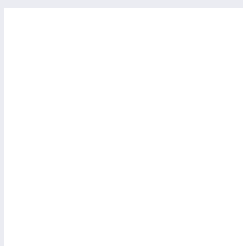
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2834, 84.0639, 95.9990

Background



This preview shows how black text looks on a background with the XYZ color 80.2834, 84.0639, 95.9990.



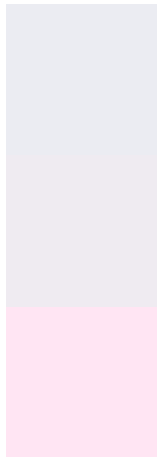
This preview shows how white text looks on a background with the XYZ color 80.2834, 84.0639,

95.9990.

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

80.2834, 84.0639, 95.9990

Protanopia

81.1821, 84.1183, 95.1768

Deuteranopia

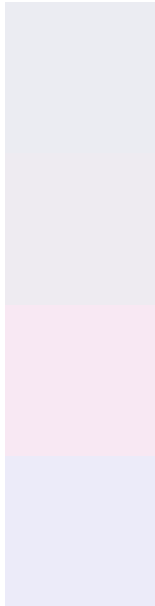
85.4370, 83.7697, 96.4602



Tritanopia

82.0775, 83.9420, 104.8050

Trichromacy



Original Color

80.2834, 84.0639, 95.9990

Protanomaly

80.8454, 83.9447, 95.1610

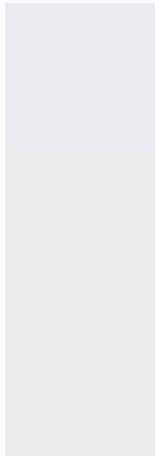
Deuteranomaly

83.7457, 84.1407, 96.6209

Tritanomaly

81.3993, 84.0891, 101.5631

Monochromacy



Original Color

80.2834, 84.0639, 95.9990

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.0201, 83.9968, 92.8844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2834, 84.0639, 95.9990 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, 236, 242) looks like.

```
.text, #text, p{  
    color:rgb(235, 236, 242)  
}
```

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, 236, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 236, 242) }
```

Border

The CSS property to change the border of an element to XYZ 80.2834, 84.0639, 95.9990 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, 236, 242) }
```


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

```
.border{ border-color:rgb(235, 236, 242) }
```

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

Here you see how a box with a 4 pixel rgb(235, 236, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 236, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 236, 242);  
box-shadow:4px 4px 4px 4px rgb(235, 236,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2834, 84.0639, 95.9990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 236, 242) }
```

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

```
.background{ background-color: rgb(235,  
236, 242) }
```

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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