

Converting Colors

XYZ(80.4433, 84.2821, 89.8702)

Have a look what the booklet for
XYZ(80.4433, 84.2821, 89.8702)
contains.

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Color

**XYZ(80.4433, 84.2821,
89.8702)**

Conversions

Conversions Part 1

Format	Color
Hex	EFECEA
RGB	239, 236, 234
RGB Percent	94%, 93%, 92%
CMY	0.0627, 0.0745, 0.0823
CMYK	0.00, 0.01, 0.02, 0.06
HSL	24°, 14%, 93%
HSV	24°, 2%, 94%
XYZ	80.4433, 84.2821, 89.8702
YIQ	236.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

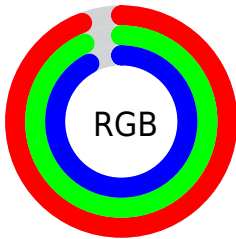
Format	Color
R _Y B	239, 237, 234
Decimal	15723754
CIE Lab	93.57, 0.66, 1.31
CIE LCh	94, 1.468, 63.337
Yxy	84.2821, 0.3160, 0.3310
Android (android.graphics.Color)	4293913834 (0xFFEFECEA)
YUV	236.6690, -1.3158, 2.0443
Hunter-Lab	91.8053, -4.2507, 6.2234

Details

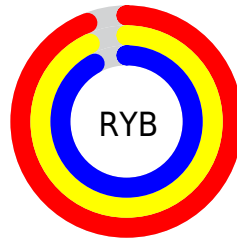
The XYZ color **80.4433, 84.2821, 89.8702** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.7959, 84.2917, 93.7266**, and the grayscale version is **80.2523, 84.4316, 91.9461**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8856, 45.9241, 48.6707** is the 20% darker color. If you saturate the color by 10%, you get **73.2803, 75.0846, 71.6696**, and if you desaturate by 10%, it is **87.9341, 94.1451, 108.1449**.

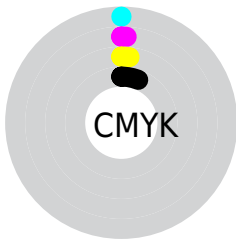
Distribution



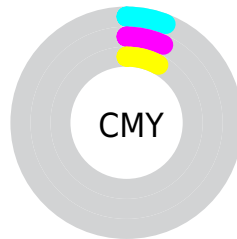
- Red (94%)
- Green (93%)
- Blue (92%)



- Red (94%)
- Yellow (93%)
- Blue (92%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4433, 84.2821, 89.8702 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 80.4433, 84.2821, 89.8702 by changing the saturation by 10% instead.

80.4433, 84.2821,
89.8702

80.4433, 84.2821,
89.8702

485.1393,
509.2495, 548.1677

60.3929, 63.2484,
67.2999

132.9361,
139.3697, 149.0920

43.9861, 46.0422,
48.8652

166.1092,
174.1924, 186.5806

30.8574, 32.2791,
34.1477

204.3872,
214.3802, 229.8791

20.6416, 21.5748,
22.7288

248.1356,
260.3175, 279.4059

12.9733, 13.5448,
14.1900

297.7196,
312.3887, 335.5796

7.4870, 7.8047,
8.1127

353.5047,

3.8175, 3.9703,

370.9781, 398.8188

4.0783

415.8562,
436.4703, 469.5420

■ 1.5994, 1.6569,
1.6684

■ 0.3920, 0.3955,
0.3390

■ 80.4433, 84.2821,
89.8702

■ 80.4433, 84.2821,
89.8702

■ 73.2803, 75.0846,
71.6696

■ 87.9341, 94.1451,
108.1449

■ 66.8827, 66.7072,
55.9174

■ 89.4071, 97.0910,
108.6359

■ 61.2252, 59.1297,
42.5093

■ 56.2784, 52.3271,
31.3313

■ 52.0106, 46.2727,
22.2598

■ 48.3877, 40.9385,
15.1591

■ 45.3719, 36.2940,
9.8773

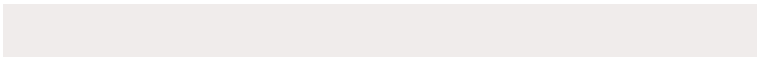
■ 42.9206, 32.3062,
6.2399

■ 40.9841, 28.9383,
4.0372

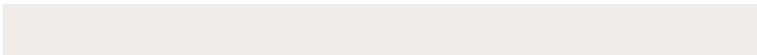
Harmonies

Analogous

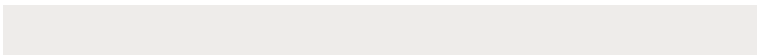
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7333, 84.2821, 90.5981



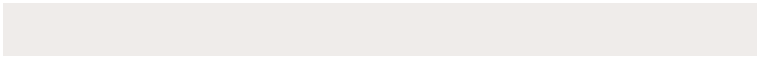
80.4433, 84.2821, 89.8702



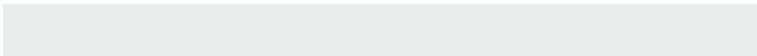
80.0641, 84.2821, 89.6496

Triad

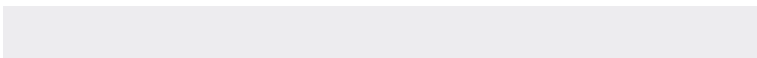
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4433, 84.2821, 89.8702



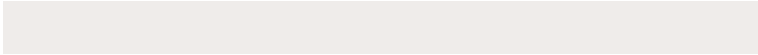
79.3642, 84.2821, 91.8935



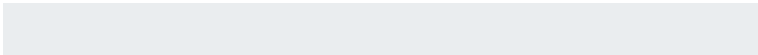
80.5188, 84.2821, 93.5679

Complementary

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



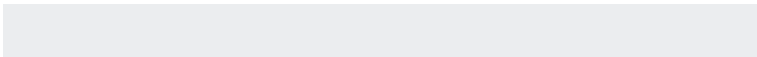
80.4433, 84.2821, 89.8702



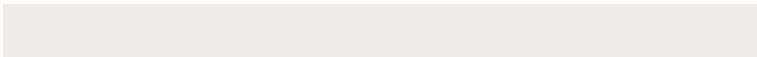
79.7959, 84.2917, 93.7266

Split Complementary

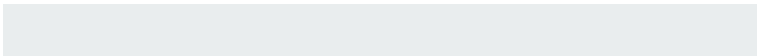
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1511, 84.2821, 93.9213



80.4433, 84.2821, 89.8702



79.4851, 84.2821, 92.9497

Square

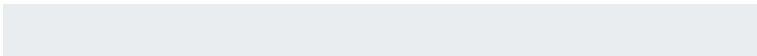
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4433, 84.2821, 89.8702



79.4419, 84.2821, 90.8122



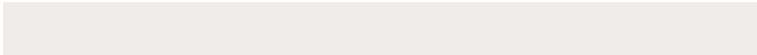
79.7729, 84.2821, 93.6941



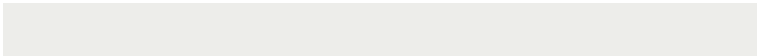
80.7771, 84.2821, 92.7323

Rectangle

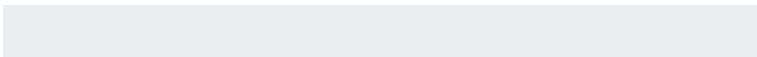
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



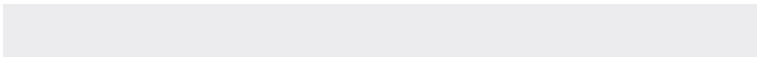
80.4433, 84.2821, 89.8702



79.8120, 84.2821, 89.8185



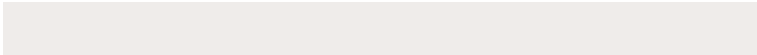
79.7729, 84.2821, 93.6941



80.4039, 84.2821, 93.7473

Sweetspot

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



80.4457, 84.2857, 89.8720



94.1566, 98.8658, 106.5902



80.3067, 83.3121, 91.9701



20.1628, 21.1733, 22.8390



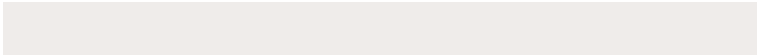
0.0000, 0.0000, 0.0000



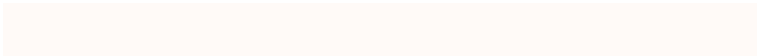
20.3446, 21.4041, 23.3091

Same Dimension

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



80.4457, 84.2857, 89.8720



92.3977, 96.6272, 102.0602



81.1693, 85.7330, 90.1132



17.1813, 17.9388, 18.7935



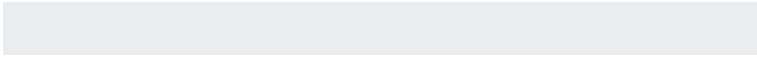
22.0930, 14.9840, 1.7278



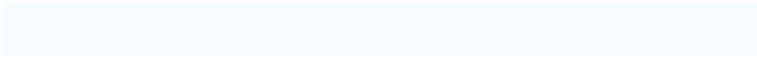
1.9328, 1.4362, 0.1753

Inverse Universe

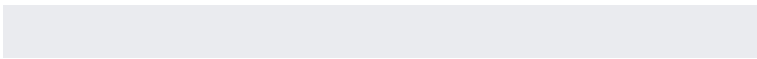
The Inverse Universe completely reimagines the original color for something new.



79.7959, 84.2917, 93.7266



91.3209, 96.6370, 108.4474



79.0783, 82.8565, 93.4874



16.9287, 17.9411, 20.2923



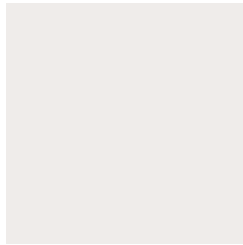
14.1868, 14.5979, 47.1978



1.2773, 1.4086, 3.9588

Previews

White Background



This preview shows how the XYZ color 80.4433, 84.2821, 89.8702 looks on a white background.

Color Contrast Check

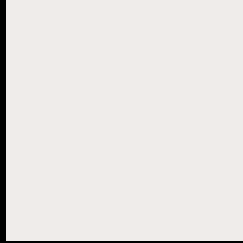
Large Text (above 18pt) WCAG AA × Fail

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 80.4433, 84.2821, 89.8702 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

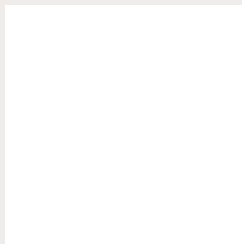
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4433, 84.2821, 89.8702

Background



This preview shows how black text looks on a background with the XYZ color 80.4433, 84.2821, 89.8702.



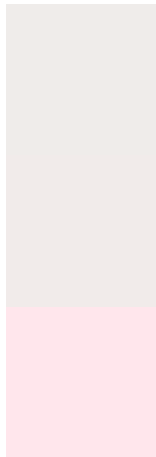
This preview shows how white text looks on a background with the XYZ color 80.4433, 84.2821,

89.8702.

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

80.4433, 84.2821, 89.8702

Protanopia

80.8352, 84.0579, 89.8062

Deuteranopia

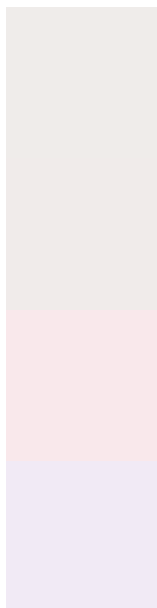
84.6771, 83.9098, 91.0901



Tritanopia

83.3276, 84.1833, 103.9526

Trichromacy



Original Color

80.4433, 84.2821, 89.8702

Protanomaly

80.4948, 83.8824, 89.7903

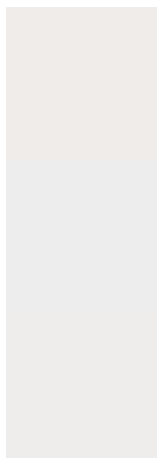
Deuteranomaly

82.9189, 83.8511, 90.4118

Tritanomaly

82.1799, 84.1390, 98.2953

Monochromacy



Original Color

80.4433, 84.2821, 89.8702

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.6844, 84.8016, 91.4727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4433, 84.2821, 89.8702 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(239, 236, 234) looks like.

```
.text, #text, p{  
    color:rgb(239, 236, 234)  
}
```

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(239, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 236, 234) }
```

Border

The CSS property to change the border of an element to XYZ 80.4433, 84.2821, 89.8702 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(239, 236, 234) }
```


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

```
.border{ border-color:rgb(239, 236, 234) }
```

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

Here you see how a box with a 4 pixel rgb(239, 236, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(239, 236,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4433, 84.2821, 89.8702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 236, 234) }
```

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

```
.background{ background-color: rgb(239,  
236, 234) }
```

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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