

Converting Colors

XYZ(80.1704, 84.1476, 88.5126)

Have a look what the booklet for
XYZ(80.1704, 84.1476, 88.5126)
contains.

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Color

**XYZ(80.1575, 84.1678,
88.3652)**

Conversions

Conversions Part 1

Format	Color
Hex	EFECE8
RGB	239, 236, 232
RGB Percent	94%, 93%, 91%
CMY	0.0627, 0.0745, 0.0902
CMYK	0.00, 0.01, 0.03, 0.06
HSL	34°, 18%, 92%
HSV	34°, 3%, 94%
XYZ	80.1575, 84.1678, 88.3652
YIQ	236.4410, 3.0720, -0.6080

Conversions

Conversions Part 2

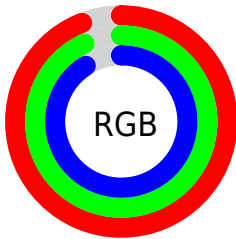
Format	Color
R _Y B	237, 239, 232
Decimal	15723752
CIE Lab	93.52, 0.31, 2.28
CIE LCh	94, 2.301, 82.216
Yxy	84.1678, 0.3172, 0.3331
Android (android.graphics.Color)	4293913832 (0xFFEFECE8)
YUV	236.4410, -2.1894, 2.2442
Hunter-Lab	91.7430, -4.5916, 7.1131

Details

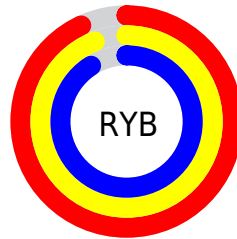
The XYZ color **80.1575, 84.1678, 88.3652** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.5670, 82.8032, 93.5040**, and the grayscale version is **80.0834, 84.2539, 91.7525**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6862, 45.8444, 47.6206** is the 20% darker color. If you saturate the color by 10%, you get **74.1306, 77.1817, 70.7305**, and if you desaturate by 10%, it is **86.6740, 91.6249, 107.7249**.

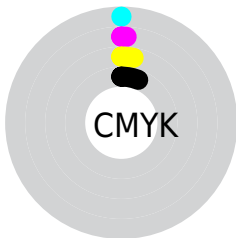
Distribution



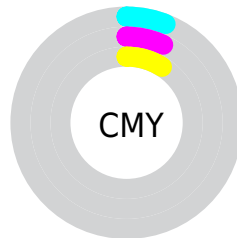
- Red (94%)
- Green (93%)
- Blue (91%)



- Red (93%)
- Yellow (94%)
- Blue (91%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1575, 84.1678, 88.3652 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 80.1575, 84.1678, 88.3652 by changing the saturation by 10% instead.

80.1575, 84.1678,
88.3652

80.1575, 84.1678,
88.3652

484.1919,
508.8703, 543.1307

60.1569, 63.1540,
66.0595

132.5365,
139.2099, 146.9811

43.7950, 45.9658,
47.8639

165.6456,
174.0069, 184.1284

30.7066, 32.2188,
33.3599

203.8549,
214.1672, 227.0599

20.5263, 21.5287,
22.1289

247.5298,
260.0750, 276.1943

12.8887, 13.5110,
13.7524

297.0355,
312.1149, 331.9500

7.4284, 7.7814,
7.8119

352.7376,

3.7801, 3.9554,

370.6711, 394.7456

3.8888

415.0013,
436.1281, 464.9997

■ 1.5785, 1.6486,
1.5645

■ 0.3783, 0.3901,
0.2653

■ 80.1575, 84.1678,
88.3652

■ 80.1575, 84.1678,
88.3652

■ 74.1306, 77.1817,
70.7305

■ 86.6740, 91.6249,
107.7249

■ 68.7104, 70.7011,
55.4834

■ 89.4070, 97.0909,
108.6359

■ 63.8767, 64.7158,
42.5208

■ 59.6054, 59.2116,
31.7298

■ 55.8702, 54.1731,
22.9877

■ 52.6427, 49.5839,
16.1596

■ 49.8910, 45.4262,
11.0943

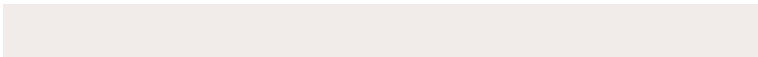
■ 47.5790, 41.6801,
7.6170

■ 45.6633, 38.3228,
5.5166

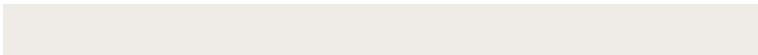
Harmonies

Analogous

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



80.7178, 84.1678, 89.0222



80.1575, 84.1678, 88.3652



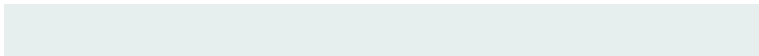
79.5575, 84.1678, 88.5780

Triad

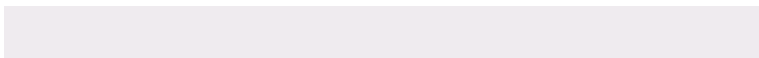
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1575, 84.1678, 88.3652



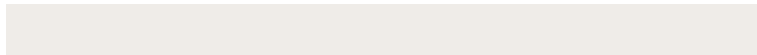
78.9210, 84.1678, 92.9169



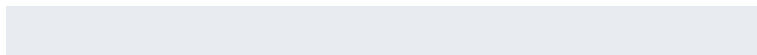
80.9270, 84.1678, 93.7123

Complementary

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



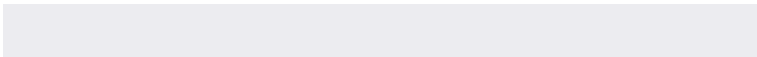
80.1575, 84.1678, 88.3652



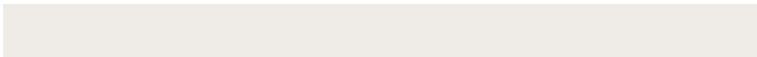
78.5670, 82.8032, 93.5040

Split Complementary

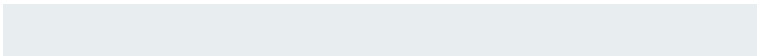
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4421, 84.1678, 94.7809



80.1575, 84.1678, 88.3652



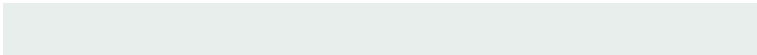
79.2844, 84.1678, 94.3176

Square

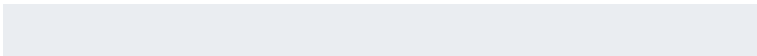
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1575, 84.1678, 88.3652



78.8456, 84.1678, 91.1915



79.8406, 84.1678, 95.0038



81.1635, 84.1678, 92.0989

Rectangle

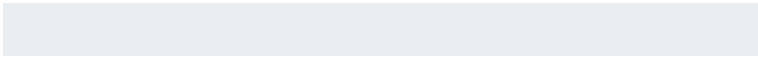
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



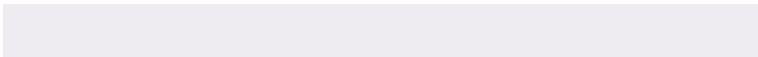
80.1575, 84.1678, 88.3652



79.2156, 84.1678, 89.1857



79.8406, 84.1678, 95.0038



80.7875, 84.1678, 94.1480

Sweetspot

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



80.1599, 84.1714, 88.3670



94.2949, 99.1425, 106.6363



79.4546, 82.0653, 90.2761



20.1910, 21.2296, 22.8484



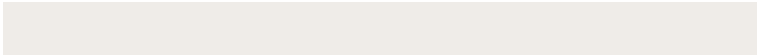
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.1599, 84.1714, 88.3670



92.0741, 96.6068, 100.0204



80.8723, 85.8299, 88.6496



17.1487, 17.9832, 18.4444



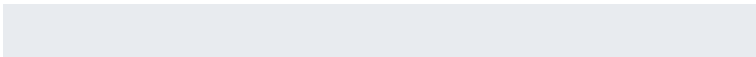
24.7257, 20.2496, 2.6054



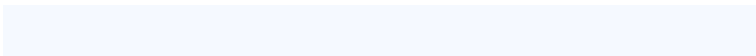
2.1555, 1.8816, 0.2496

Inverse Universe

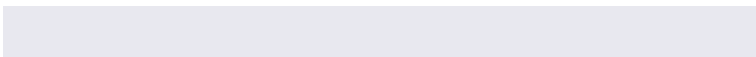
The Inverse Universe completely reimagines the original color for something new.



78.5670, 82.8032, 93.5040



89.5632, 94.4501, 108.1179



77.8682, 81.1805, 93.2277



16.5961, 17.5086, 20.2264



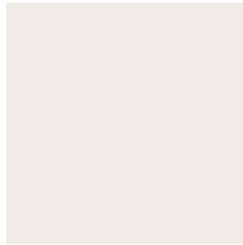
11.3752, 8.9746, 46.2606



1.0431, 0.9401, 3.8807

Previews

White Background



This preview shows how the XYZ color 80.1575, 84.1678, 88.3652 looks on a white background.

Color Contrast Check

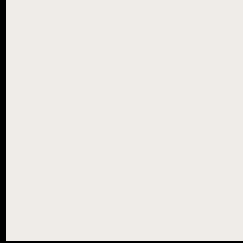
Large Text (above 18pt) WCAG AA × Fail

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 80.1575, 84.1678, 88.3652 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

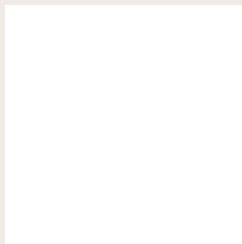
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.1575, 84.1678, 88.3652

Background



This preview shows how black text looks on a background with the XYZ color 80.1575, 84.1678, 88.3652.



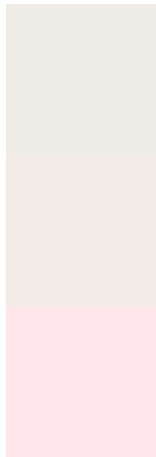
This preview shows how white text looks on a background with the XYZ color 80.1575, 84.1678,

88.3652.

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

80.1575, 84.1678, 88.3652

Protanopia

80.8918, 84.1201, 88.3173

Deuteranopia

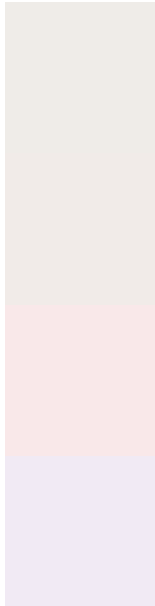
84.3881, 83.7941, 89.5681



Tritanopia

83.1694, 84.1201, 103.1201

Trichromacy



Original Color

80.1575, 84.1678, 88.3652

Protanomaly

80.5494, 83.9436, 88.3013

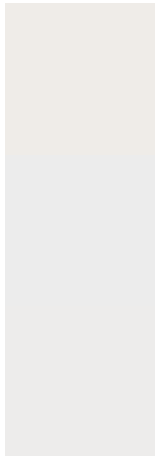
Deuteranomaly

82.6315, 83.7362, 88.8983

Tritanomaly

82.0276, 84.0781, 97.4933

Monochromacy



Original Color

80.1575, 84.1678, 88.3652

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.9159, 83.9936, 90.5976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1575, 84.1678, 88.3652 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, 232) looks like.

```
.text, #text, p{  
    color:rgb(239, 236, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 236, 232) }
```

Border

The CSS property to change the border of an element to XYZ 80.1575, 84.1678, 88.3652 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, 232) }
```


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

```
.border{ border-color:rgb(239, 236, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 236, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 236, 232);  
box-shadow:4px 4px 4px 4px rgb(239, 236,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1575, 84.1678, 88.3652 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, 232) }
```

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

```
.background{ background-color: rgb(239,  
236, 232) }
```

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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