

Converting Colors

XYZ(80.5875, 84.3398, 90.6291)

Have a look what the booklet for
XYZ(80.5875, 84.3398, 90.6291)
contains.

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Color

**XYZ(80.5875, 84.3398,
90.6291)**

Conversions

Conversions Part 1

Format	Color
Hex	EFECEB
RGB	239, 236, 235
RGB Percent	94%, 93%, 92%
CMY	0.0627, 0.0745, 0.0784
CMYK	0.00, 0.01, 0.02, 0.06
HSL	15°, 11%, 93%
HSV	15°, 2%, 94%
XYZ	80.5875, 84.3398, 90.6291
YIQ	236.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

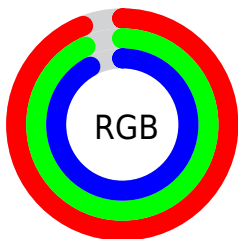
Format	Color
R _{YB}	239, 236, 235
Decimal	15723755
CIE Lab	93.60, 0.83, 0.83
CIE LCh	94, 1.175, 44.828
Yxy	84.3398, 0.3153, 0.3300
Android (android.graphics.Color)	4293913835 (0xFFEFECEB)
YUV	236.7830, -0.8790, 1.9443
Hunter-Lab	91.8367, -4.0789, 5.7753

Details

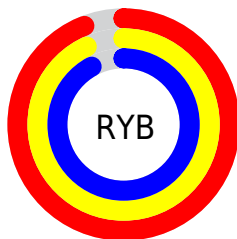
The XYZ color **80.5875, 84.3398, 90.6291** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.4156, 85.0423, 93.8390**, and the grayscale version is **80.3369, 84.5206, 92.0430**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9864, 45.9645, 49.2015** is the 20% darker color. If you saturate the color by 10%, you get **72.4662, 73.2562, 72.0153**, and if you desaturate by 10%, it is **89.0594, 96.3956, 108.5200**.

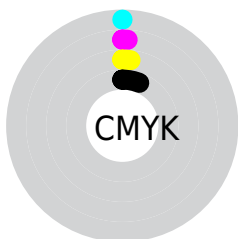
Distribution



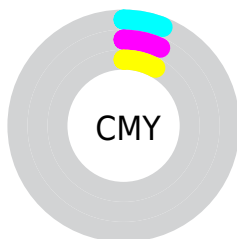
- Red (94%)
- Green (93%)
- Blue (92%)



- 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 80.5875, 84.3398, 90.6291 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 80.5875, 84.3398, 90.6291 by changing the saturation by 10% instead.

80.5875, 84.3398,
90.6291

80.5875, 84.3398,
90.6291

485.6170,
509.4409, 550.6980

60.5121, 63.2960,
67.9259

133.1376,
139.4504, 150.1551

44.0825, 46.0807,
49.3711

166.3430,
174.2860, 187.8149

30.9336, 32.3095,
34.5463

204.6557,
214.4877, 231.2974

20.6999, 21.5980,
23.0328

248.4411,
260.4399, 281.0210

13.0160, 13.5618,
14.4122

298.0646,
312.5269, 337.4044

7.5166, 7.8166,
8.2659

353.8915,

3.8364, 3.9778,

371.1331, 400.8659

4.1754

416.2872,
436.6430, 471.8243

■ 1.6100, 1.6611,
1.7220

■ 0.3989, 0.3983,
0.3758

■ 80.5875, 84.3398,
90.6291

■ 80.5875, 84.3398,
90.6291

■ 72.4662, 73.2562,
72.0153

■ 89.0594, 96.3956,
108.5200

■ 65.2897, 63.3502,
55.9135

■ 89.4071, 97.0910,
108.6359

■ 59.0249, 54.5858,
42.2172

■ 53.6340, 46.9213,
30.8099

■ 49.0766, 40.3124,
21.5656

■ 45.3089, 34.7116,
14.3459

■ 42.2828, 30.0675,
8.9961

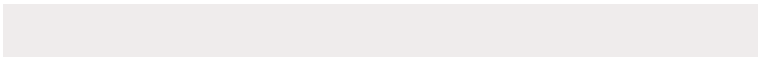
■ 39.9444, 26.3242,
5.3390

■ 38.2314, 23.4190,
3.1625

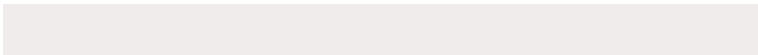
Harmonies

Analogous

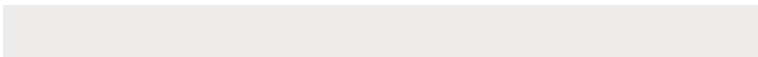
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7422, 84.3398, 91.3939



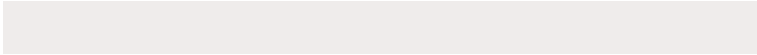
80.5875, 84.3398, 90.6291



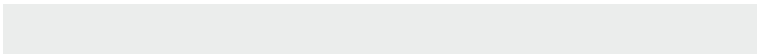
80.3191, 84.3398, 90.1880

Triad

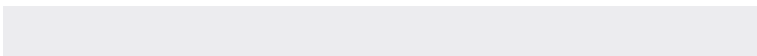
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5875, 84.3398, 90.6291



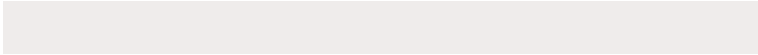
79.5864, 84.3398, 91.3840



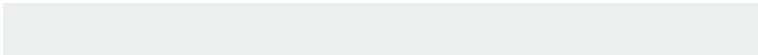
80.3157, 84.3398, 93.4980

Complementary

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



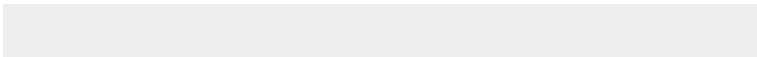
80.5875, 84.3398, 90.6291



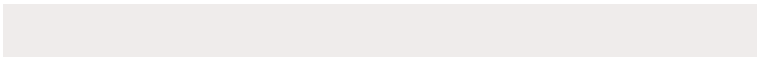
80.4156, 85.0423, 93.8390

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.



80.0060, 84.3398, 93.4953



80.5875, 84.3398, 90.6291



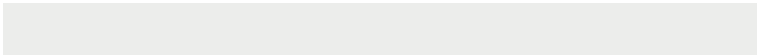
79.5855, 84.3398, 92.2709

Square

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



80.5875, 84.3398, 90.6291



79.7414, 84.3398, 90.6219



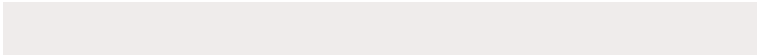
79.7389, 84.3398, 93.0449



80.5850, 84.3398, 93.0522

Rectangle

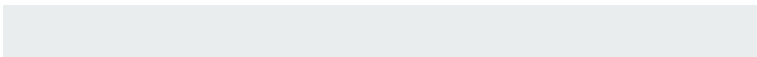
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



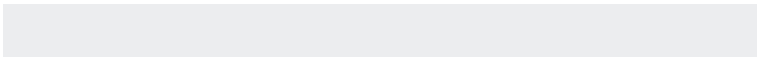
80.5875, 84.3398, 90.6291



80.1121, 84.3398, 90.1350



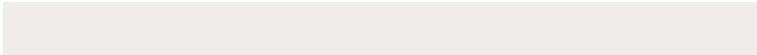
79.7389, 84.3398, 93.0449



80.2128, 84.3398, 93.5496

Sweetspot

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



80.5899, 84.3434, 90.6309



94.0358, 98.6243, 106.5500



80.7388, 83.9418, 92.8372



20.1382, 21.1242, 22.8308



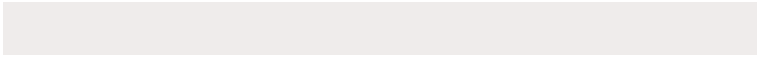
0.0000, 0.0000, 0.0000



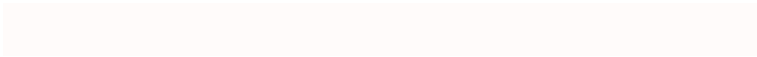
20.3446, 21.4041, 23.3091

Same Dimension

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



80.5899, 84.3434, 90.6309



93.0331, 97.2628, 104.2305



81.1678, 85.4993, 90.8236



17.4474, 18.2471, 19.5721



20.6517, 12.1015, 1.2474



1.7946, 1.1599, 0.1293

Inverse Universe

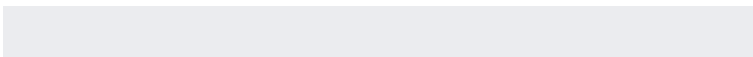
The Inverse Universe completely reimagines the original color for something new.



80.4156, 85.0423, 93.8390



92.7915, 98.2315, 108.6777



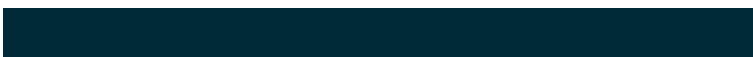
79.8377, 83.8864, 93.6464



17.4046, 18.4186, 20.3594



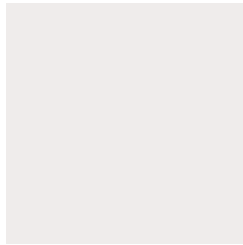
17.6292, 21.4826, 48.3453



1.5449, 1.9438, 4.0480

Previews

White Background



This preview shows how the XYZ color 80.5875, 84.3398, 90.6291 looks on a white background.

Color Contrast Check

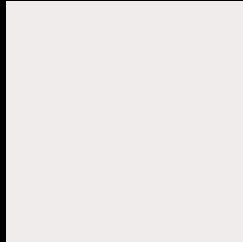
Large Text (above 18pt) WCAG AA × Fail

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 80.5875, 84.3398, 90.6291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

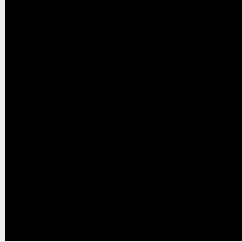
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

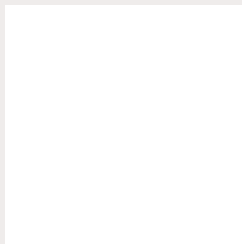
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5875, 84.3398, 90.6291

Background



This preview shows how black text looks on a background with the XYZ color 80.5875, 84.3398, 90.6291.



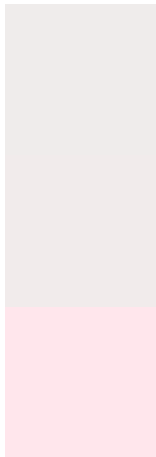
This preview shows how white text looks on a background with the XYZ color 80.5875, 84.3398,

90.6291.

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

80.5875, 84.3398, 90.6291

Protanopia

80.9794, 84.1156, 90.5651

Deuteranopia

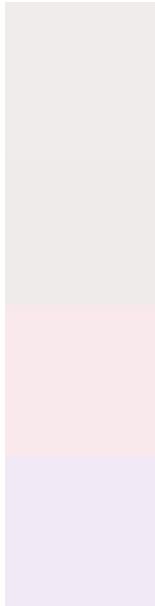
84.6771, 83.9098, 91.0901



Tritanopia

83.3276, 84.1833, 103.9526

Trichromacy



Original Color

80.5875, 84.3398, 90.6291

Protanomaly

80.6389, 83.9401, 90.5492

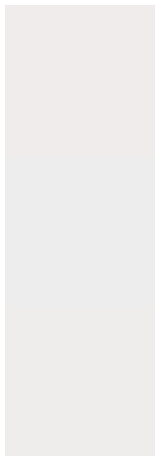
Deuteranomaly

83.0639, 83.9091, 91.1750

Tritanomaly

82.3330, 84.2002, 99.1016

Monochromacy



Original Color

80.5875, 84.3398, 90.6291

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 80.5875, 84.3398, 90.6291 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, 235) looks like.

```
.text, #text, p{  
    color:rgb(239, 236, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 236, 235) }
```

Border

The CSS property to change the border of an element to XYZ 80.5875, 84.3398, 90.6291 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, 235) }
```


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

```
.border{ border-color:rgb(239, 236, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(239, 236,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5875, 84.3398, 90.6291 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, 235) }
```

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

```
.background{ background-color: rgb(239,  
236, 235) }
```

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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