

Converting Colors

XYZ(80.5049, 85.2695, 93.8782)

Have a look what the booklet for
XYZ(80.5049, 85.2695, 93.8782)
contains.

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Color

**XYZ(80.4155, 85.0432,
93.8380)**

Conversions

Conversions Part 1

Format	Color
Hex	EBEEEE
RGB	235, 238, 239
RGB Percent	92%, 93%, 94%
CMY	0.0784, 0.0666, 0.0627
CMYK	0.02, 0.00, 0.00, 0.06
HSL	195°, 11%, 93%
HSV	195°, 2%, 94%
XYZ	80.4155, 85.0432, 93.8380
YIQ	237.2170, -2.1090, -0.3250

Conversions

Conversions Part 2

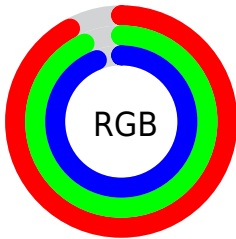
Format	Color
R _Y B	235, 237, 239
Decimal	15462127
CIE Lab	93.90, -0.81, -0.84
CIE LCh	94, 1.171, 226.012
Yxy	85.0432, 0.3101, 0.3280
Android (android.graphics.Color)	4293652207 (0xFFEBEEEE)
YUV	237.2170, 0.8790, -1.9443
Hunter-Lab	92.2189, -5.7298, 4.2222

Details

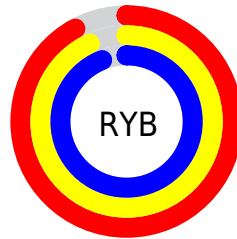
The XYZ color **80.4155, 85.0432, 93.8380** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.5877, 84.3390, 90.6303**, and the grayscale version is **80.6601, 84.8607, 92.4133**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8656, 46.4585, 51.4552** is the 20% darker color. If you saturate the color by 10%, you get **71.3449, 77.8391, 92.9268**, and if you desaturate by 10%, it is **89.1583, 92.1682, 94.7537**.

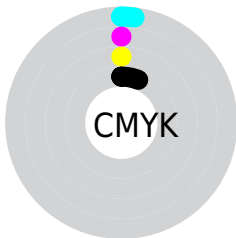
Distribution



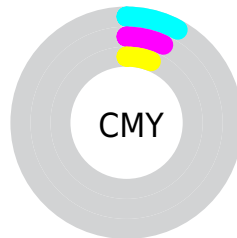
- Red (92%)
- Green (93%)
- Blue (94%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4155, 85.0432, 93.8380 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 80.4155, 85.0432, 93.8380 by changing the saturation by 10% instead.

80.4155, 85.0432,
93.8380

80.4155, 85.0432,
93.8380

485.0472,
511.7710, 561.3273

60.3700, 63.8771,
70.5767

132.8972,
140.4335, 154.6400

43.9675, 46.5511,
51.5171

166.0641,
175.4265, 193.0178

30.8428, 32.6809,
36.2407

204.3355,
215.7973, 237.2715

20.6304, 21.8821,
24.3290

248.0767,
261.9302, 287.8196

12.9650, 13.7703,
15.3634

297.6531,
314.2096, 345.0807

7.4813, 7.9611,
8.9254

353.4301,

3.8139, 4.0701,

373.0199, 409.4733

4.5964

415.7730,
438.7456, 481.4160

■ 1.5974, 1.7128,
1.9579

■ 0.3907, 0.4319,
0.5292

■ 80.4155, 85.0432,
93.8380

■ 80.4155, 85.0432,
93.8380

■ 71.3449, 77.8391,
92.9268

■ 89.1583, 92.1682,
94.7537

■ 63.3468, 71.2698,
92.0804

■ 90.9780, 95.8076,
95.3603

■ 56.3784, 65.3147,
91.2982

■ 92.5802, 99.0121,
95.8944

■ 50.3909, 59.9479,
90.5779

■ 45.3318, 55.1415,
89.9168

■ 41.1429, 50.8646,
89.3120

■ 37.7596, 47.0830,
88.7604

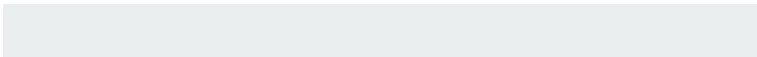
■ 35.1075, 43.7575,
88.2583

■ 33.0974, 40.8411,
87.8014

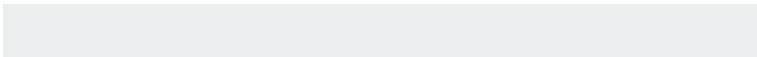
Harmonies

Analogous

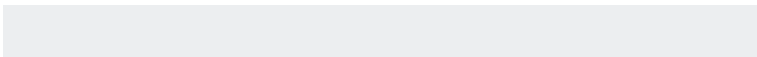
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2563, 85.0432, 93.0718



80.4155, 85.0432, 93.8380



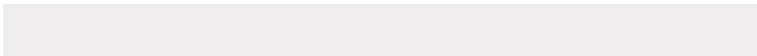
80.6862, 85.0432, 94.2731

Triad

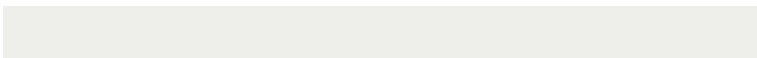
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4155, 85.0432, 93.8380



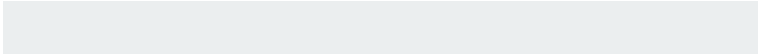
81.4139, 85.0432, 93.0131



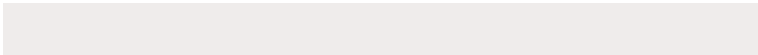
80.6658, 85.0432, 90.9576

Complementary

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



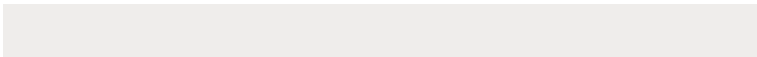
80.4155, 85.0432, 93.8380



80.5877, 84.3390, 90.6303

Split Complementary

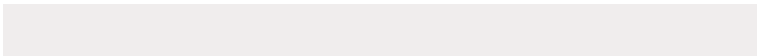
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9760, 85.0432, 90.9421



80.4155, 85.0432, 93.8380



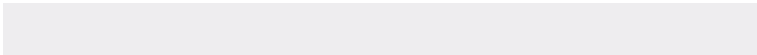
81.4084, 85.0432, 92.1249

Square

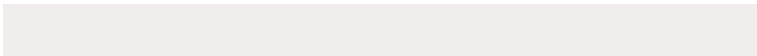
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



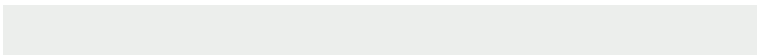
80.4155, 85.0432, 93.8380



81.2630, 85.0432, 93.7947



81.2479, 85.0432, 91.3682



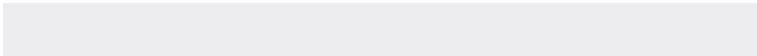
80.4006, 85.0432, 91.4107

Rectangle

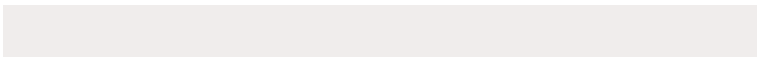
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



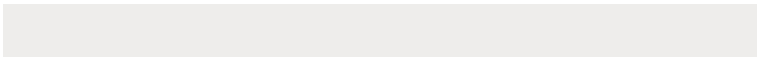
80.4155, 85.0432, 93.8380



80.8938, 85.0432, 94.3150



81.2479, 85.0432, 91.3682



80.7683, 85.0432, 90.9011

Sweetspot

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



80.4179, 85.0468, 93.8399



93.9158, 99.1150, 108.7890



80.2594, 85.4488, 91.5706



20.1138, 21.2240, 23.2865



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

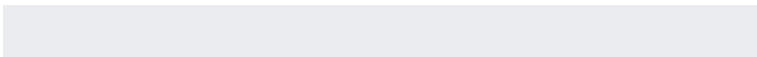
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4179, 85.0468, 93.8399



92.7946, 98.2378, 108.6787



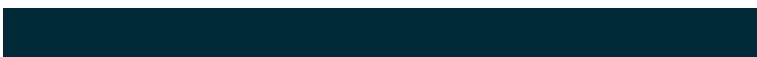
79.8569, 83.9249, 93.6529



17.4052, 18.4197, 20.3596



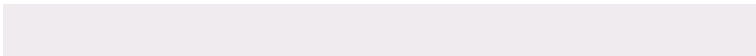
17.6802, 21.5846, 48.3623



1.5488, 1.9515, 4.0493

Inverse Universe

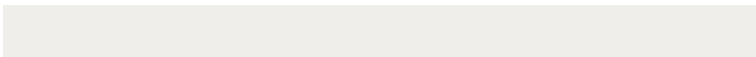
The Inverse Universe completely reimagines the original color for something new.



80.7394, 83.9421, 92.8402



93.2407, 96.7075, 107.2914



81.1485, 85.4605, 90.8172



17.4841, 18.1488, 20.1141



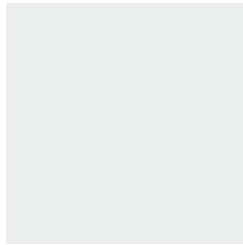
24.2498, 11.9723, 25.0296



2.0567, 1.0117, 2.2894

Previews

White Background



This preview shows how the XYZ color 80.4155, 85.0432, 93.8380 looks on a white background.

Color Contrast Check

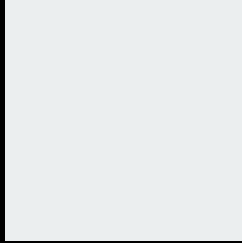
Large Text (above 18pt) WCAG AA × Fail

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 80.4155, 85.0432, 93.8380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

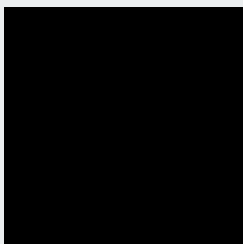
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

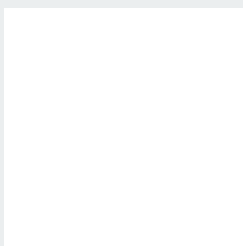
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4155, 85.0432, 93.8380

Background



This preview shows how black text looks on a background with the XYZ color 80.4155, 85.0432, 93.8380.



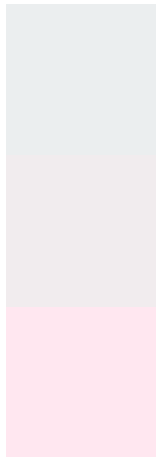
This preview shows how white text looks on a background with the XYZ color 80.4155, 85.0432,

93.8380.

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

80.4155, 85.0432, 93.8380

Protanopia

81.7037, 84.8647, 92.9632

Deuteranopia

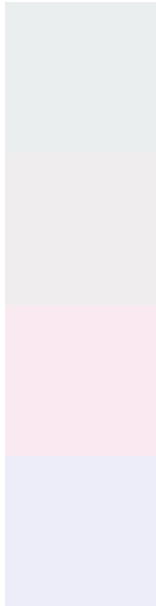
85.5441, 84.7031, 94.2787



Tritanopia

82.8099, 85.1512, 105.8372

Trichromacy



Original Color

80.4155, 85.0432, 93.8380

Protanomaly

81.3134, 85.0921, 93.0277

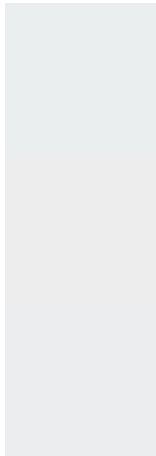
Deuteranomaly

83.8624, 85.0934, 94.4427

Tritanomaly

81.9751, 85.2408, 101.7551

Monochromacy



Original Color

80.4155, 85.0432, 93.8380

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.3089, 84.5743, 92.9807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4155, 85.0432, 93.8380 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, 238, 239) looks like.

```
.text, #text, p{  
    color:rgb(235, 238, 239)  
}
```

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, 238, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 238, 239) }
```

Border

The CSS property to change the border of an element to XYZ 80.4155, 85.0432, 93.8380 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, 238, 239) }
```


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

```
.border{ border-color:rgb(235, 238, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 238, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 238, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 238, 239);  
box-shadow:4px 4px 4px 4px rgb(235, 238,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4155, 85.0432, 93.8380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 238, 239) }
```

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

```
.background{ background-color: rgb(235,  
238, 239) }
```

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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