

Converting Colors

XYZ(80.4138, 84.1504, 93.5291)

Have a look what the booklet for
XYZ(80.4138, 84.1504, 93.5291)
contains.

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Color

**XYZ(80.5005, 84.2274,
93.6760)**

Conversions

Conversions Part 1

Format	Color
Hex	EDECEF
RGB	237, 236, 239
RGB Percent	93%, 93%, 94%
CMY	0.0706, 0.0745, 0.0627
CMYK	0.01, 0.01, 0.00, 0.06
HSL	260°, 9%, 93%
HSV	260°, 1%, 94%
XYZ	80.5005, 84.2274, 93.6760
YIQ	236.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

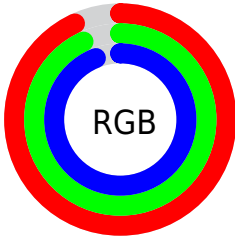
Format	Color
R _{YB}	237, 236, 239
Decimal	15592687
CIE Lab	93.55, 0.87, -1.34
CIE LCh	94, 1.600, 303.074
Yxy	84.2274, 0.3115, 0.3260
Android (android.graphics.Color)	4293782767 (0xFFEDEC EF)
YUV	236.6410, 1.1630, 0.3148
Hunter-Lab	91.7755, -4.0365, 3.7250

Details

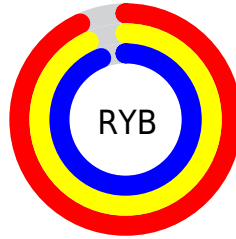
The XYZ color **80.5005, 84.2274, 93.6760** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.2698, 85.9685, 91.6713**, and the grayscale version is **80.2139, 84.3913, 91.9021**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9246, 45.8852, 51.3414** is the 20% darker color. If you saturate the color by 10%, you get **68.9835, 68.7515, 91.2971**, and if you desaturate by 10%, it is **91.8320, 98.6263, 95.8593**.

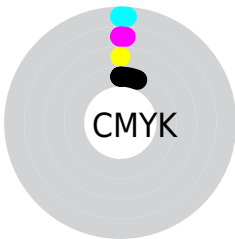
Distribution



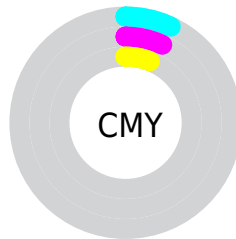
- Red (93%)
- Green (93%)
- Blue (94%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5005, 84.2274, 93.6760 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 80.5005, 84.2274, 93.6760 by changing the saturation by 10% instead.

80.5005, 84.2274,
93.6760

80.5005, 84.2274,
93.6760

485.3288,
509.0681, 560.7933

60.4402, 63.2032,
70.4427

133.0160,
139.2932, 154.4140

44.0243, 46.0056,
51.4085

166.2019,
174.1036, 192.7557

30.8876, 32.2503,
36.1548

204.4937,
214.2783, 236.9707

20.6647, 21.5527,
24.2632

248.2568,
260.2015, 287.4775

12.9902, 13.5286,
15.3149

297.8565,
312.2577, 344.6946

7.4988, 7.7936,
8.8916

353.6582,

3.8250, 3.9631,

370.8312, 409.0406

4.5747

416.0272,
436.3066, 480.9340

■ 1.6036, 1.6530,
1.9456

■ 0.3948, 0.3929,
0.5215

■ 80.5005, 84.2274,
93.6760

■ 80.5005, 84.2274,
93.6760

■ 68.9835, 68.7515,
91.2971

■ 91.8320, 98.6263,
95.8593

■ 58.8103, 55.2789,
89.2328

■ 92.5802, 99.0121,
95.8943

■ 49.9316, 43.7292,
87.4715

■ 42.2926, 34.0124,
85.9986

■ 35.8343, 26.0312,
84.7984

■ 30.4922, 19.6789,
83.8539

■ 26.1954, 14.8367,
83.1457

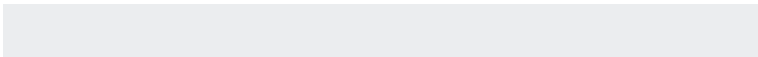
■ 22.8638, 11.3689,
82.6519

■ 20.4034, 9.1140,
82.3464

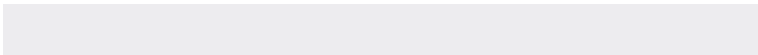
Harmonies

Analogous

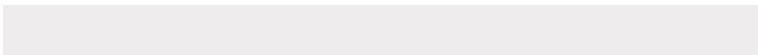
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0993, 84.2274, 94.0561



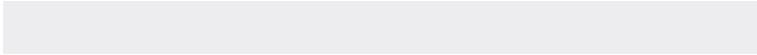
80.5005, 84.2274, 93.6760



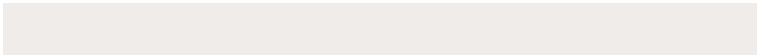
80.7833, 84.2274, 92.7687

Triad

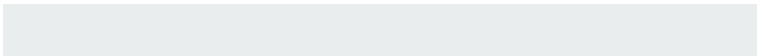
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5005, 84.2274, 93.6760



80.4247, 84.2274, 89.6472



79.2458, 84.2274, 91.8344

Complementary

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



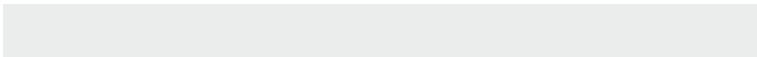
80.5005, 84.2274, 93.6760



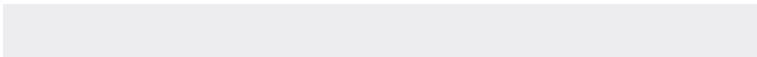
81.2698, 85.9685, 91.6713

Split Complementary

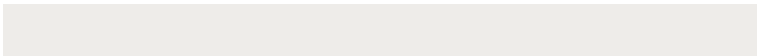
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.3323, 84.2274, 90.6581



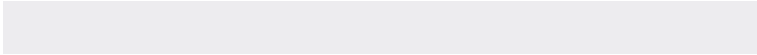
80.5005, 84.2274, 93.6760



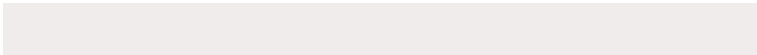
80.0120, 84.2274, 89.4019

Square

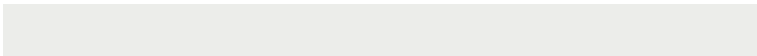
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



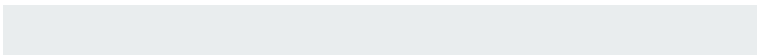
80.5005, 84.2274, 93.6760



80.7394, 84.2274, 90.4434



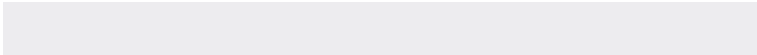
79.6124, 84.2274, 89.7704



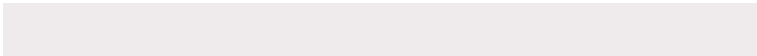
79.3757, 84.2274, 92.9870

Rectangle

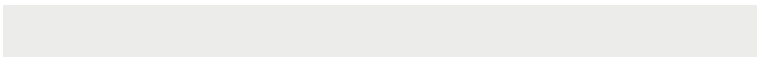
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



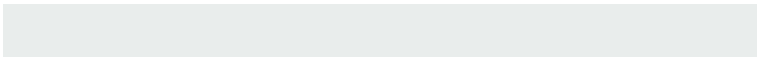
80.5005, 84.2274, 93.6760



80.8661, 84.2274, 91.9906



79.6124, 84.2274, 89.7704



79.2506, 84.2274, 91.4286

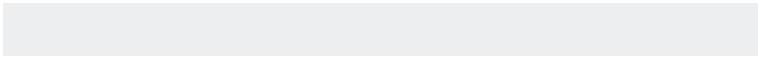
Sweetspot

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



80.5029, 84.2310, 93.6778

95.0500, 100.0000, 108.9000



80.7641, 85.2458, 93.8599



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

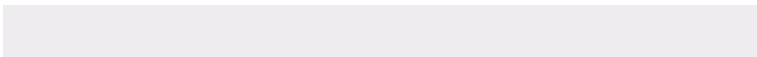
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5029, 84.2310, 93.6778



92.2032, 96.1491, 108.3068



80.9892, 84.4817, 93.7006



17.3005, 18.0499, 20.2938



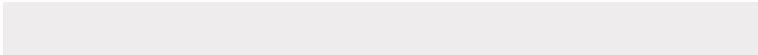
10.5371, 4.4375, 45.4290



0.9781, 0.4215, 3.7840

Inverse Universe

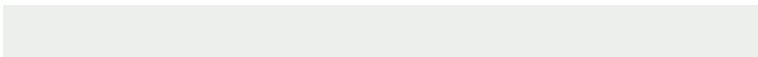
The Inverse Universe completely reimagines the original color for something new.



81.0276, 84.5185, 92.9362



93.1727, 96.6803, 106.9333



80.7847, 85.7184, 91.6486



17.4721, 18.1439, 20.0507



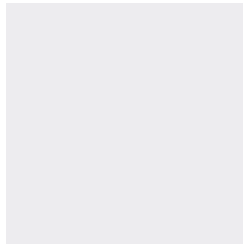
23.2188, 11.5599, 19.6006



1.9775, 0.9800, 1.8723

Previews

White Background



This preview shows how the XYZ color 80.5005, 84.2274, 93.6760 looks on a white background.

Color Contrast Check

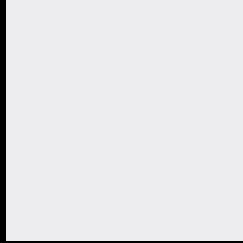
Large Text (above 18pt) WCAG AA × Fail

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 80.5005, 84.2274, 93.6760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

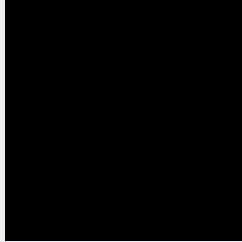
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

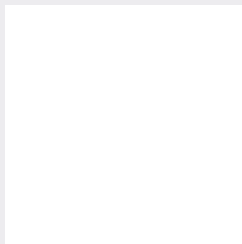
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5005, 84.2274, 93.6760

Background



This preview shows how black text looks on a background with the XYZ color 80.5005, 84.2274, 93.6760.



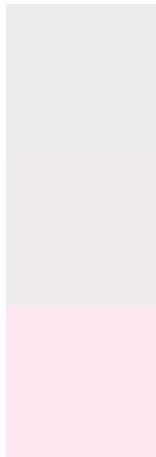
This preview shows how white text looks on a background with the XYZ color 80.5005, 84.2274,

93.6760.

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

80.5005, 84.2274, 93.6760

Protanopia

81.2235, 84.1739, 93.6276

Deuteranopia

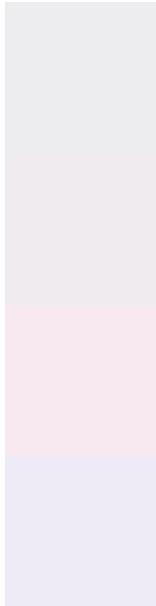
85.2650, 84.1449, 94.1857



Tritanopia

82.5901, 84.2246, 103.9995

Trichromacy



Original Color

80.5005, 84.2274, 93.6760

Protanomaly

80.8849, 83.9994, 93.6118

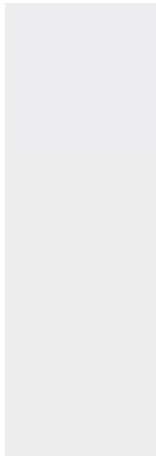
Deuteranomaly

83.2962, 83.9610, 94.2540

Tritanomaly

81.7567, 84.3092, 99.9599

Monochromacy



Original Color

80.5005, 84.2274, 93.6760

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.6419, 84.7459, 92.9962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5005, 84.2274, 93.6760 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(237, 236, 239) looks like.

```
.text, #text, p{  
    color:rgb(237, 236, 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(237, 236, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 236, 239) }
```

Border

The CSS property to change the border of an element to XYZ 80.5005, 84.2274, 93.6760 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(237, 236, 239) }
```

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

```
.border{ border-color:rgb(237, 236, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 236, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 236, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 236, 239); box-shadow:4px 4px 4px 4px rgb(237, 236, 239) }
```


Background

The CSS property to change the background color of an element to XYZ 80.5005, 84.2274, 93.6760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 236, 239) }
```

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

```
.background{ background-color: rgb(237,  
236, 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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