

Converting Colors

XYZ(80.5015, 84.9026, 97.2895)

Have a look what the booklet for
XYZ(80.5015, 84.9026, 97.2895)
contains.

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Color

**XYZ(80.3565, 84.9438,
96.9546)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EEF3
RGB	233, 238, 243
RGB Percent	91%, 93%, 95%
CMY	0.0863, 0.0666, 0.0471
CMYK	0.04, 0.02, 0.00, 0.05
HSL	210°, 29%, 93%
HSV	210°, 4%, 95%
XYZ	80.3565, 84.9438, 96.9546
YIQ	237.0750, -4.5850, 0.4950

Conversions

Conversions Part 2

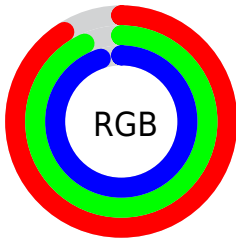
Format	Color
R _Y B	233, 236, 243
Decimal	15331059
CIE Lab	93.86, -0.74, -3.00
CIE LCh	94, 3.091, 256.071
Yxy	84.9438, 0.3064, 0.3239
Android (android.graphics.Color)	4293521139 (0xFFE9EEF3)
YUV	237.0750, 2.9210, -3.5738
Hunter-Lab	92.1650, -5.6587, 2.1443

Details

The XYZ color **80.3565, 84.9438, 96.9546** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.2449, 86.0862, 89.3737**, and the grayscale version is **80.5369, 84.7311, 92.2721**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8291, 46.3909, 53.6580** is the 20% darker color. If you saturate the color by 10%, you get **69.5477, 74.3022, 95.4715**, and if you desaturate by 10%, it is **91.6490, 96.1934, 98.5321**.

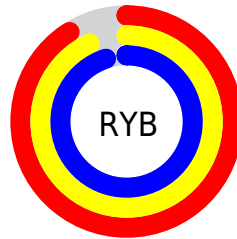
Distribution



Red (91%)

Green (93%)

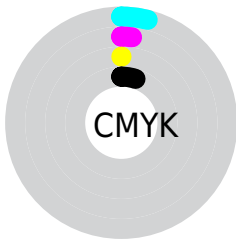
Blue (95%)



Red (91%)

Yellow (93%)

Blue (95%)

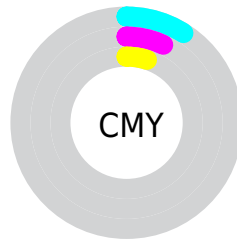


Cyan (4%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (9%)

Magenta (7%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3565, 84.9438, 96.9546 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 80.3565, 84.9438, 96.9546 by changing the saturation by 10% instead.

80.3565, 84.9438,
96.9546

80.3565, 84.9438,
96.9546

484.8517,
511.4421, 571.5471

60.3212, 63.7949,
73.1570

132.8147,
140.2947, 158.9809

43.9281, 46.4846,
53.6118

165.9684,
175.2654, 198.0468

30.8116, 32.6284,
37.9003

204.2256,
215.6123, 243.0391

20.6066, 21.8419,
25.6041

247.9517,
261.7197, 294.3765

12.9475, 13.7408,
16.3046

297.5119,
313.9720, 352.4774

7.4692, 7.9406,
9.5833

353.2718,

3.8061, 4.0570,

372.7535, 417.7605

5.0216

415.5966,
438.4488, 490.6442

■ 1.5931, 1.7055,
2.2010

■ 0.3879, 0.4272,
0.6749

■ 80.3565, 84.9438,
96.9546

■ 80.3565, 84.9438,
96.9546

■ 69.5477, 74.3022,
95.4715

■ 91.6490, 96.1934,
98.5321

■ 60.0181, 64.6647,
94.1136

■ 93.1779, 99.2512,
99.0417

■ 51.7182, 56.0009,
92.8787

■ 44.5919, 48.2745,
91.7630

■ 38.5784, 41.4467,
90.7621

■ 33.6113, 35.4753,
89.8713

■ 29.6159, 30.3136,
89.0855

■ 26.5066, 25.9088,
88.3992

■ 24.1795, 22.1985,
87.8057

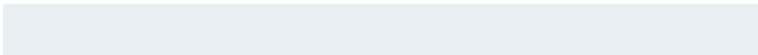
Harmonies

Analogous

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



79.6445, 84.9438, 95.7892



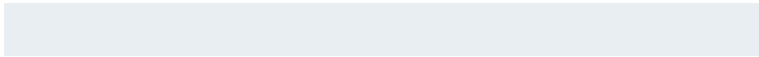
80.3565, 84.9438, 96.9546



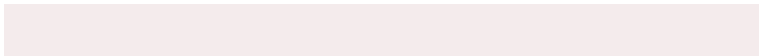
81.1750, 84.9438, 96.9094

Triad

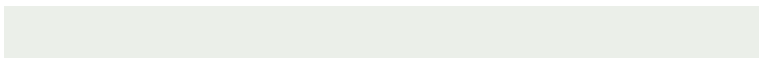
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3565, 84.9438, 96.9546



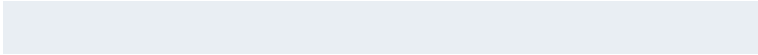
82.2655, 84.9438, 91.2414



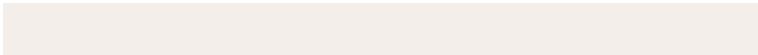
79.6031, 84.9438, 89.3831

Complementary

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



80.3565, 84.9438, 96.9546



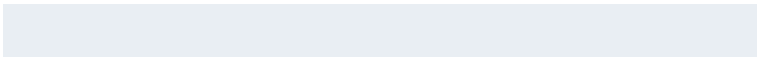
82.2449, 86.0862, 89.3737

Split Complementary

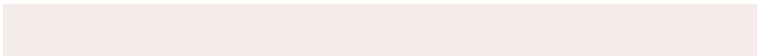
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2996, 84.9438, 88.2058



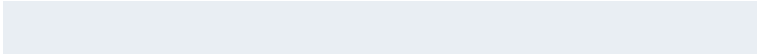
80.3565, 84.9438, 96.9546



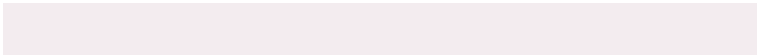
81.8385, 84.9438, 89.2662

Square

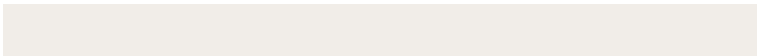
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



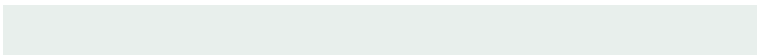
80.3565, 84.9438, 96.9546



82.2810, 84.9438, 93.5837



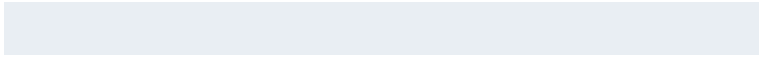
81.1178, 84.9438, 88.1634



79.2115, 84.9438, 91.4035

Rectangle

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



80.3565, 84.9438, 96.9546



81.6711, 84.9438, 96.1981



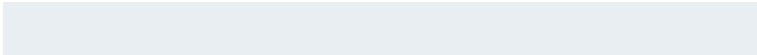
81.1178, 84.9438, 88.1634



79.8091, 84.9438, 88.8772

Sweetspot

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



80.3589, 84.9474, 96.9565



93.7130, 98.7094, 108.7214



81.0644, 87.5895, 93.3959



20.0725, 21.1415, 23.2727



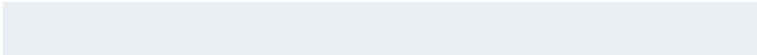
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.3589, 84.9474, 96.9565



88.5152, 93.6643, 108.0215



78.9694, 82.1684, 96.4933



17.1801, 18.1934, 21.1487



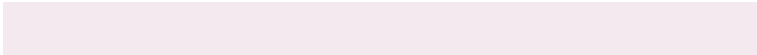
12.8061, 11.4059, 48.0646



1.2283, 1.2080, 4.2587

Inverse Universe

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



81.5356, 83.5072, 92.7143



90.1078, 91.7297, 102.2765



83.6722, 88.9408, 89.8494



17.5335, 17.7665, 19.8733



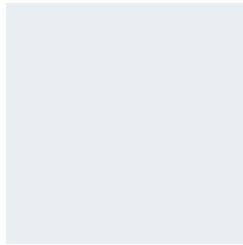
22.2684, 11.2508, 11.3878



2.0090, 1.0096, 1.2740

Previews

White Background



This preview shows how the XYZ color 80.3565, 84.9438, 96.9546 looks on a white background.

Color Contrast Check

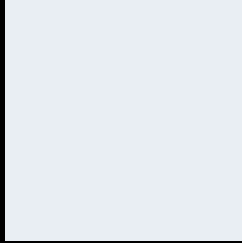
Large Text (above 18pt) WCAG AA × Fail

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 80.3565, 84.9438, 96.9546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

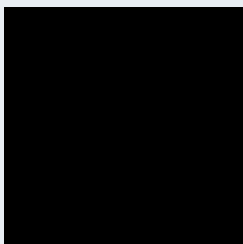
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

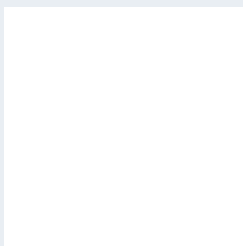
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3565, 84.9438, 96.9546

Background



This preview shows how black text looks on a background with the XYZ color 80.3565, 84.9438, 96.9546.



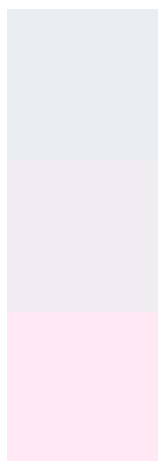
This preview shows how white text looks on a background with the XYZ color 80.3565, 84.9438,

96.9546.

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

80.3565, 84.9438, 96.9546

Protanopia

81.9576, 84.9270, 96.0773

Deuteranopia

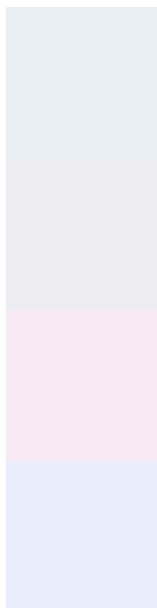
86.1450, 84.9435, 97.4433



Tritanopia

82.3064, 84.8731, 106.6519

Trichromacy



Original Color

80.3565, 84.9438, 96.9546

Protanomaly

81.2363, 84.9837, 96.1263

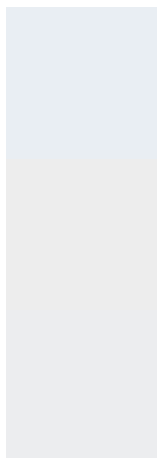
Deuteranomaly

84.1097, 85.1514, 97.5908

Tritanomaly

81.6285, 85.0258, 103.3761

Monochromacy



Original Color

80.3565, 84.9438, 96.9546

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.4562, 84.6332, 93.7567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3565, 84.9438, 96.9546 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(233, 238, 243) looks like.

```
.text, #text, p{  
    color:rgb(233, 238, 243)  
}
```

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(233, 238, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 238, 243) }
```

Border

The CSS property to change the border of an element to XYZ 80.3565, 84.9438, 96.9546 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(233, 238, 243) }
```


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

```
.border{ border-color:rgb(233, 238, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 238, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 238, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 238, 243);  
box-shadow:4px 4px 4px 4px rgb(233, 238,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3565, 84.9438, 96.9546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 238, 243) }
```

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

```
.background{ background-color: rgb(233,  
238, 243) }
```

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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