

Converting Colors

XYZ(79.9051, 84.1955, 96.5877)

Have a look what the booklet for
XYZ(79.9051, 84.1955, 96.5877)
contains.

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Color

**XYZ(80.0661, 84.3631,
96.8578)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EDF3
RGB	233, 237, 243
RGB Percent	91%, 93%, 95%
CMY	0.0863, 0.0706, 0.0471
CMYK	0.04, 0.02, 0.00, 0.05
HSL	216°, 29%, 93%
HSV	216°, 4%, 95%
XYZ	80.0661, 84.3631, 96.8578
YIQ	236.4880, -4.3100, 1.0180

Conversions

Conversions Part 2

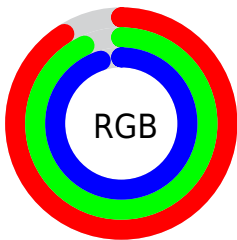
Format	Color
R _Y B	233, 236, 243
Decimal	15330803
CIE Lab	93.61, -0.23, -3.37
CIE LCh	94, 3.377, 266.046
Yxy	84.3631, 0.3064, 0.3229
Android (android.graphics.Color)	4293520883 (0xFFE9EDF3)
YUV	236.4880, 3.2104, -3.0590
Hunter-Lab	91.8494, -5.1361, 1.7716

Details

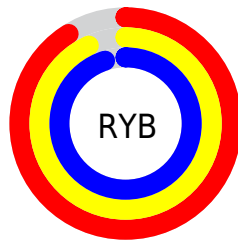
The XYZ color **80.0661, 84.3631, 96.8578** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.5367, 86.6699, 89.4708**, and the grayscale version is **80.0834, 84.2540, 91.7526**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6250, 45.9827, 53.5900** is the 20% darker color. If you saturate the color by 10%, you get **68.6250, 72.4570, 95.1640**, and if you desaturate by 10%, it is **92.0953, 97.0860, 98.6808**.

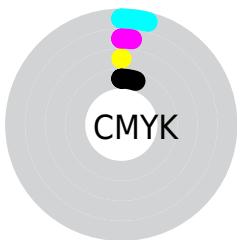
Distribution



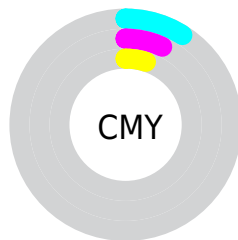
- Red (91%)
- Green (93%)
- Blue (95%)



- 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 80.0661, 84.3631, 96.8578 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 80.0661, 84.3631, 96.8578 by changing the saturation by 10% instead.

80.0661, 84.3631,
96.8578

80.0661, 84.3631,
96.8578

483.8887,
509.5182, 571.2311

60.0814, 63.3153,
73.0768

132.4087,
139.4830, 158.8463

43.7340, 46.0963,
53.5465

165.4973,
174.3238, 197.8909

30.6584, 32.3218,
37.8485

203.6846,
214.5311, 242.8605

20.4894, 21.6074,
25.5642

247.3359,
260.4893, 294.1735

12.8616, 13.5687,
16.2751

296.8166,
312.5826, 352.2485

7.4097, 7.8213,
9.5626

352.4921,

3.7682, 3.9808,

371.1957, 417.5041

5.0081

414.7277,
436.7127, 490.3588

■ 1.5719, 1.6628,
2.1932

■ 0.3740, 0.3994,
0.6704

■ 80.0661, 84.3631,
96.8578

■ 80.0661, 84.3631,
96.8578

■ 68.6250, 72.4570,
95.1640

■ 92.0953, 97.0860,
98.6808

■ 58.5642, 61.7569,
93.6289

■ 93.1779, 99.2512,
99.0417

■ 49.8304, 52.2253,
92.2495

■ 42.3637, 43.8183,
91.0203

■ 36.0996, 36.4891,
89.9358

■ 30.9670, 30.1869,
88.9898

■ 26.8872, 24.8561,
88.1759

■ 23.7693, 20.4342,
87.4867

■ 21.5045, 16.8485,
86.9140

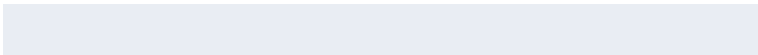
Harmonies

Analogous

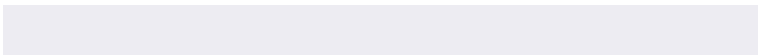
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2281, 84.3631, 96.0026



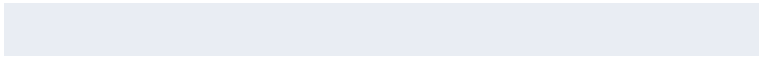
80.0661, 84.3631, 96.8578



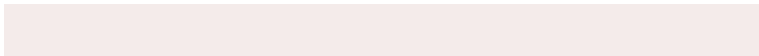
80.9420, 84.3631, 96.3527

Triad

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



80.0661, 84.3631, 96.8578



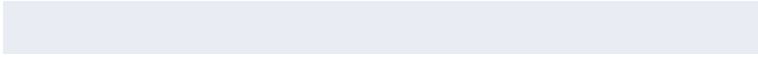
81.7393, 84.3631, 89.7117



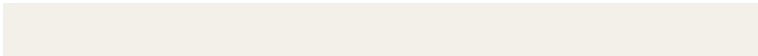
78.7668, 84.3631, 89.1341

Complementary

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



80.0661, 84.3631, 96.8578



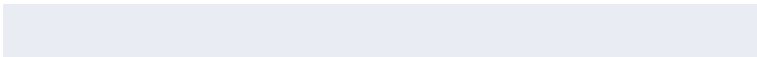
82.5367, 86.6699, 89.4708

Split Complementary

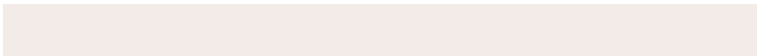
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4320, 84.3631, 87.5035



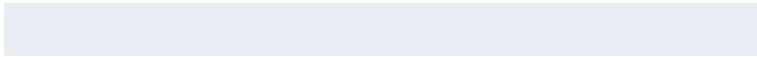
80.0661, 84.3631, 96.8578



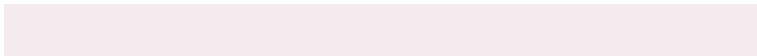
81.1488, 84.3631, 87.8326

Square

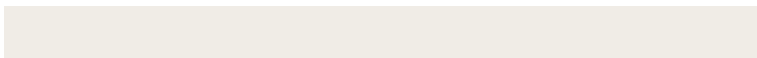
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0661, 84.3631, 96.8578



81.9122, 84.3631, 92.1970



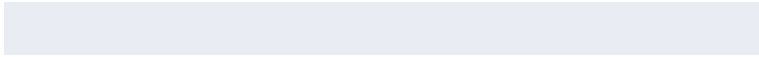
80.3032, 84.3631, 87.0315



78.4815, 84.3631, 91.5180

Rectangle

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



80.0661, 84.3631, 96.8578



81.4288, 84.3631, 95.3175



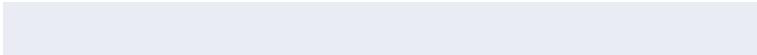
80.3032, 84.3631, 87.0315



78.9531, 84.3631, 88.4814

Sweetspot

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



80.0685, 84.3667, 96.8597



93.6322, 98.5479, 108.6944



81.2115, 87.6483, 94.1711



20.0561, 21.1086, 23.2673



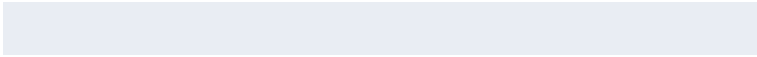
0.0000, 0.0000, 0.0000



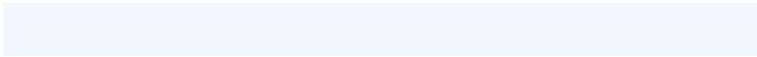
20.3446, 21.4041, 23.3091

Same Dimension

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



80.0685, 84.3667, 96.8597



88.1233, 92.8804, 107.8909



79.1948, 82.2144, 96.4903



17.0933, 18.0198, 21.1198



11.3635, 8.5207, 47.5838



1.0964, 0.9443, 4.2147

Inverse Universe

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



81.3890, 83.4485, 91.9426



89.9100, 91.6505, 101.2348



83.4350, 88.8925, 89.8525



17.4897, 17.7490, 19.6425



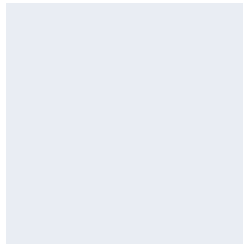
21.5403, 10.9595, 7.5534



1.9425, 0.9830, 0.9236

Previews

White Background



This preview shows how the XYZ color 80.0661, 84.3631, 96.8578 looks on a white background.

Color Contrast Check

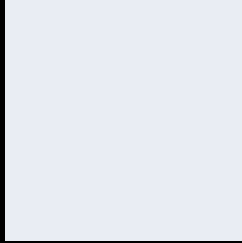
Large Text (above 18pt) WCAG AA × Fail

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 80.0661, 84.3631, 96.8578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

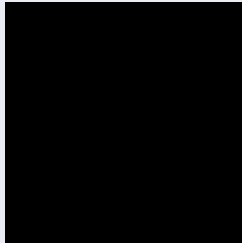
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

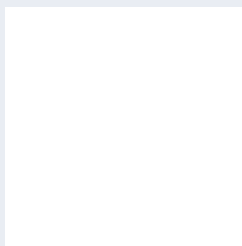
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.0661, 84.3631, 96.8578

Background



This preview shows how black text looks on a background with the XYZ color 80.0661, 84.3631, 96.8578.



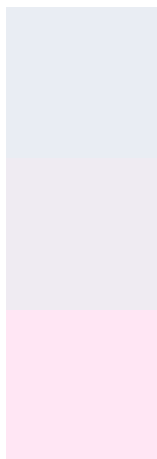
This preview shows how white text looks on a background with the XYZ color 80.0661, 84.3631,

96.8578.

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

80.0661, 84.3631, 96.8578

Protanopia

81.3319, 84.1782, 95.9658

Deuteranopia

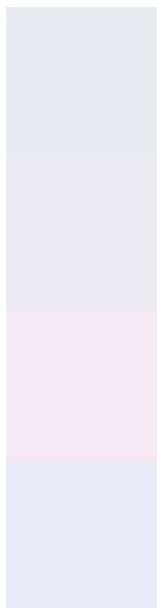
85.8659, 84.3853, 97.3503



Tritanopia

81.8587, 84.2346, 105.7104

Trichromacy



Original Color

80.0661, 84.3631, 96.8578

Protanomaly

80.9475, 84.4062, 96.0300

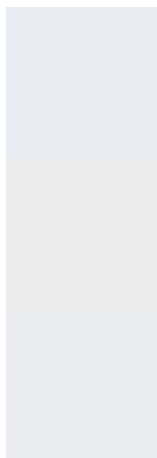
Deuteranomaly

83.8258, 84.5836, 97.4961

Tritanomaly

81.1825, 84.3855, 102.4517

Monochromacy



Original Color

80.0661, 84.3631, 96.8578

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.8364, 83.8851, 93.6450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0661, 84.3631, 96.8578 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, 237, 243)` looks like.

```
.text, #text, p{  
    color:rgb(233, 237, 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, 237, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 237, 243) }
```

Border

The CSS property to change the border of an element to XYZ 80.0661, 84.3631, 96.8578 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, 237, 243) }
```


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

```
.border{ border-color:rgb(233, 237, 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, 237, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 237, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 237, 243);  
box-shadow:4px 4px 4px 4px rgb(233, 237,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0661, 84.3631, 96.8578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 237, 243) }
```

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

```
.background{ background-color: rgb(233,  
237, 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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