

Converting Colors

XYZ(78.2700, 83.0596, 96.7637)

Have a look what the booklet for
XYZ(78.2700, 83.0596, 96.7637)
contains.

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Color

**XYZ(78.1680, 82.9560,
96.6862)**

Conversions

Conversions Part 1

Format	Color
Hex	E4ECF3
RGB	228, 236, 243
RGB Percent	89%, 93%, 95%
CMY	0.1059, 0.0745, 0.0471
CMYK	0.06, 0.03, 0.00, 0.05
HSL	208°, 38%, 92%
HSV	208°, 6%, 95%
XYZ	78.1680, 82.9560, 96.6862
YIQ	234.4060, -7.0150, 0.4810

Conversions

Conversions Part 2

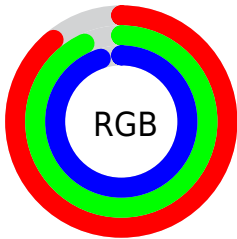
Format	Color
R _Y B	228, 233, 243
Decimal	15002867
CIE Lab	93.00, -1.35, -4.31
CIE LCh	93, 4.519, 252.581
Yxy	82.9560, 0.3032, 0.3218
Android (android.graphics.Color)	4293192947 (0xFFE4ECF3)
YUV	234.4060, 4.2368, -5.6181
Hunter-Lab	91.0802, -6.1958, 0.8168

Details

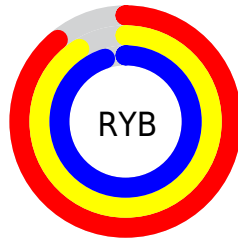
The XYZ color **78.1680, 82.9560, 96.6862** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.6742, 84.0718, 85.3755**, and the grayscale version is **78.4891, 82.5766, 89.9259**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5245, 45.1146, 53.4804** is the 20% darker color. If you saturate the color by 10%, you get **67.8346, 72.9395, 95.2987**, and if you desaturate by 10%, it is **89.7968, 93.9522, 98.1971**.

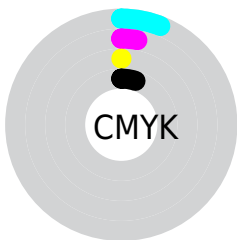
Distribution



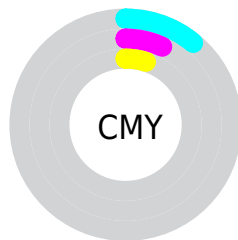
- Red (89%)
- Green (93%)
- Blue (95%)



- Red (89%)
- Yellow (91%)
- Blue (95%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (11%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1680, 82.9560, 96.6862 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 78.1680, 82.9560, 96.6862 by changing the saturation by 10% instead.

■ 78.1680, 82.9560,
96.6862

■ 78.1680, 82.9560,
96.6862

477.5683,
504.8399, 570.6708

■ 58.5153, 62.1539,
72.9346

129.7510,
137.5138, 158.6077

■ 42.4679, 45.1570,
53.4310

162.4120,
172.0383, 197.6146

■ 29.6605, 31.5811,
37.7568

200.1398,
211.9057, 242.5437

■ 19.7279, 21.0418,
25.4937

243.2998,
257.5004, 293.8135

■ 12.3045, 13.1545,
16.2229

292.2573,
309.2067, 351.8426

■ 7.0251, 7.5350,
9.5259

347.3776,

■ 3.5243, 3.7989,

367.4092, 417.0495

4.9843

409.0261,
432.4921, 489.8527

■ 1.4367, 1.5617,
2.1795

■ 0.2821, 0.3316,
0.6625

■ 78.1680, 82.9560,
96.6862

■ 78.1680, 82.9560,
96.6862

■ 67.8346, 72.9395,
95.2987

■ 89.7968, 93.9522,
98.1971

■ 58.7406, 63.8615,
94.0258

■ 93.1779, 99.2512,
99.0416

■ 50.8365, 55.6929,
92.8657

■ 44.0662, 48.3987,
91.8146

■ 38.3692, 41.9416,
90.8685

■ 33.6783, 36.2805,
90.0231

■ 29.9182, 31.3700,
89.2734

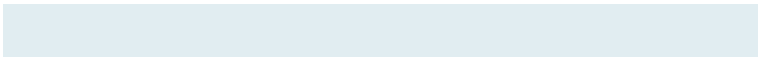
■ 27.0013, 27.1581,
88.6142

■ 24.8197, 23.5819,
88.0389

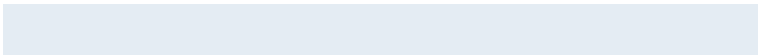
Harmonies

Analogous

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



77.1837, 82.9560, 94.8062



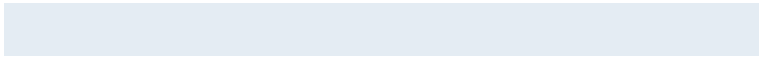
78.1680, 82.9560, 96.6862



79.3438, 82.9560, 96.8353

Triad

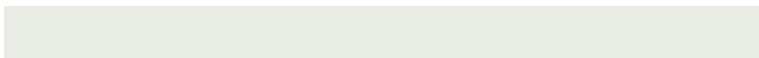
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1680, 82.9560, 96.6862



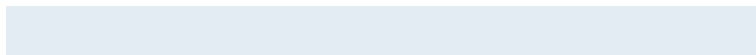
81.0888, 82.9560, 88.9131



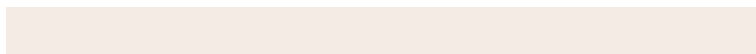
77.3177, 82.9560, 85.6113

Complementary

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



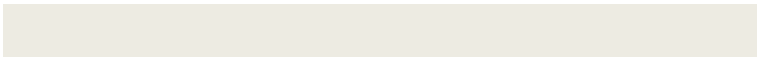
78.1680, 82.9560, 96.6862



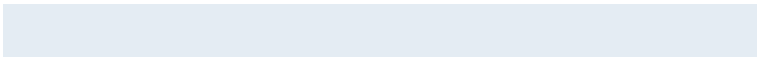
80.6742, 84.0718, 85.3755

Split Complementary

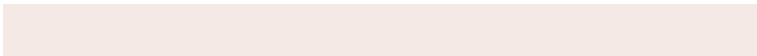
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3526, 82.9560, 84.1132



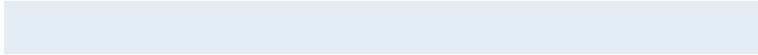
78.1680, 82.9560, 96.6862



80.5345, 82.9560, 85.9872

Square

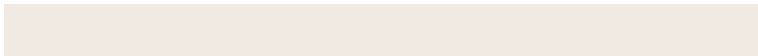
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1680, 82.9560, 96.6862



81.0381, 82.9560, 92.2898



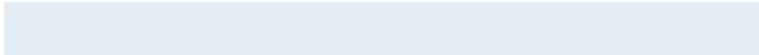
79.5303, 82.9560, 84.2491



76.6961, 82.9560, 88.3882

Rectangle

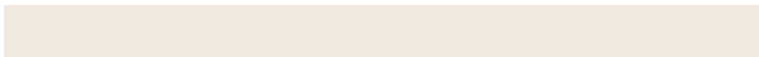
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1680, 82.9560, 96.6862



80.0788, 82.9560, 95.9279



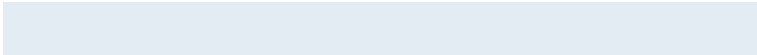
79.5303, 82.9560, 84.2491



77.6283, 82.9560, 84.9446

Sweetspot

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



78.1704, 82.9595, 96.6880



92.4444, 97.5372, 108.5620



79.0060, 86.5802, 90.9568



19.8142, 20.9029, 23.2403



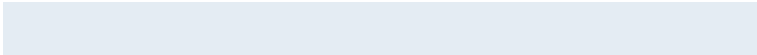
0.0000, 0.0000, 0.0000



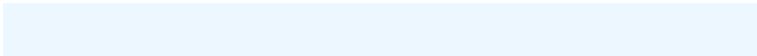
20.3446, 21.4041, 23.3091

Same Dimension

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



78.1704, 82.9595, 96.6880



86.1865, 91.5731, 107.7406



76.1240, 78.8667, 96.0059



16.7562, 17.8174, 21.0985



13.3719, 12.5376, 48.2533



1.2781, 1.3076, 4.2753

Inverse Universe

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



79.8477, 80.5991, 90.7099



88.3060, 88.6106, 100.1820



82.7936, 88.3106, 86.0820



17.2044, 17.1938, 19.4995



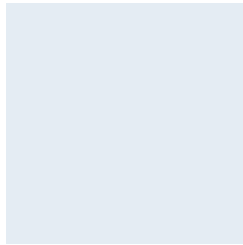
22.5540, 11.3651, 12.8919



2.0342, 1.0196, 1.4064

Previews

White Background



This preview shows how the XYZ color 78.1680, 82.9560, 96.6862 looks on a white background.

Color Contrast Check

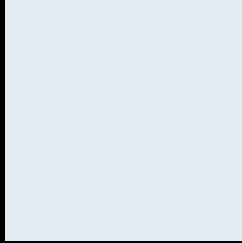
Large Text (above 18pt) WCAG AA × Fail

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 78.1680, 82.9560, 96.6862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

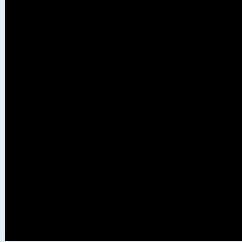
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

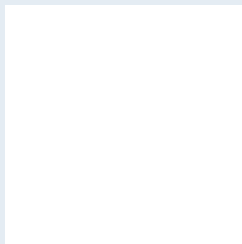
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1680, 82.9560, 96.6862

Background



This preview shows how black text looks on a background with the XYZ color 78.1680, 82.9560, 96.6862.



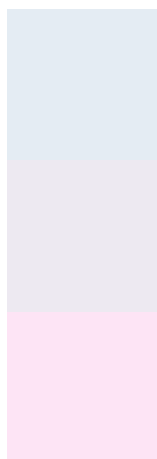
This preview shows how white text looks on a background with the XYZ color 78.1680, 82.9560,

96.6862.

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

78.1680, 82.9560, 96.6862

Protanopia

79.9411, 82.6332, 94.9555

Deuteranopia

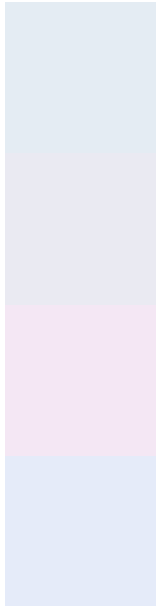
84.7328, 82.9620, 97.9336



Tritanopia

79.7856, 82.7605, 104.6977

Trichromacy



Original Color

78.1680, 82.9560, 96.6862

Protanomaly

79.3815, 82.7489, 95.7927

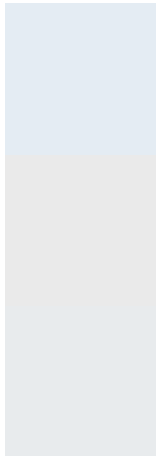
Deuteranomaly

82.2133, 82.9166, 97.2593

Tritanomaly

79.1203, 82.9142, 101.4565

Monochromacy



Original Color

78.1680, 82.9560, 96.6862

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.2731, 82.6869, 91.9555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1680, 82.9560, 96.6862 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(228, 236, 243) looks like.

```
.text, #text, p{  
    color:rgb(228, 236, 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(228, 236, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 236, 243) }
```

Border

The CSS property to change the border of an element to XYZ 78.1680, 82.9560, 96.6862 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(228, 236, 243) }
```


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

```
.border{ border-color:rgb(228, 236, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 236, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 236, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 236, 243);  
box-shadow:4px 4px 4px 4px rgb(228, 236,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1680, 82.9560, 96.6862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 236, 243) }
```

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

```
.background{ background-color: rgb(228,  
236, 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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