

Converting Colors

XYZ(78.0703, 83.9879, 90.8753)

Have a look what the booklet for
XYZ(78.0703, 83.9879, 90.8753)
contains.

XYZ(77.8830, 83.8052, 90.6684)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.8830, 83.8052,
90.6684)**

Conversions

Conversions Part 1

Format	Color
Hex	E5EEEB
RGB	229, 238, 235
RGB Percent	90%, 93%, 92%
CMY	0.1020, 0.0666, 0.0784
CMYK	0.04, 0.00, 0.01, 0.07
HSL	160°, 21%, 92%
HSV	160°, 4%, 93%
XYZ	77.8830, 83.8052, 90.6684
YIQ	234.9670, -4.4010, -2.8410

Conversions

Conversions Part 2

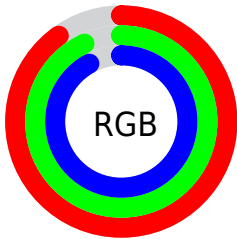
Format	Color
RYB	229, 234, 238
Decimal	15068907
CIELab	93.37, -3.52, 0.40
CIELCh	93, 3.543, 173.499
Yxy	83.8052, 0.3086, 0.3321
Android (android.graphics.Color)	4293258987 (0xFFE5EEEB)
YUV	234.9670, 0.0163, -5.2331
Hunter-Lab	91.5452, -8.3434, 5.3595

Details

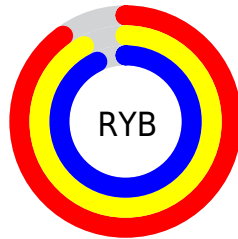
The XYZ color **77.8830, 83.8052, 90.6684** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8477, 80.0441, 87.6950**, and the grayscale version is **78.9448, 83.0561, 90.4481**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3202, 45.7092, 49.2401** is the 20% darker color. If you saturate the color by 10%, you get **69.6821, 79.7094, 84.4304**, and if you desaturate by 10%, it is **87.1810, 88.4653, 97.2285**.

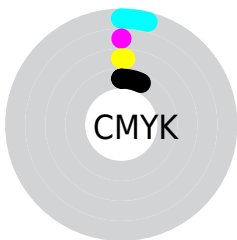
Distribution



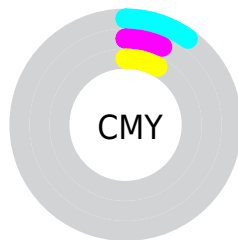
- Red (90%)
- Green (93%)
- Blue (92%)



- Red (90%)
- Yellow (92%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8830, 83.8052, 90.6684 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 77.8830, 83.8052, 90.6684 by changing the saturation by 10% instead.

■ 77.8830, 83.8052,
90.6684

■ 77.8830, 83.8052,
90.6684

476.6153,
507.6661, 550.8288

■ 58.2803, 62.8546,
67.9583

129.3514,
138.7026, 150.2101

■ 42.2782, 45.7236,
49.3973

161.9479,
173.4183, 187.8788

■ 29.5112, 32.0278,
34.5670

199.6063,
213.4911, 231.3708

■ 19.6141, 21.3827,
23.0486

242.6920,
259.3054, 281.1046

■ 12.2215, 13.4040,
14.4238

291.5704,
311.2457, 337.4988

■ 6.9680, 7.7074,
8.2739

346.6069,

■ 3.4882, 3.9083,

369.6963, 400.9718

4.1804

408.1667,
435.0417, 471.9423

■ 1.4169, 1.6224,
1.7248

■ 0.2682, 0.3726,
0.3777

■ 77.8830, 83.8052,
90.6684

■ 77.8830, 83.8052,
90.6684

■ 69.6821, 79.7094,
84.4304

■ 87.1810, 88.4653,
97.2285

■ 62.5284, 76.1454,
78.5036

■ 89.2101, 89.3698,
103.7175

■ 56.3787, 73.0931,
72.8841

■ 89.8661, 89.6322,
107.1720

■ 51.1840, 70.5274,
67.5662

■ 46.8908, 68.4209,
62.5435

■ 43.4405, 66.7434,
57.8097

■ 40.7671, 65.4610,
53.3579

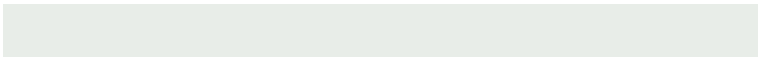
■ 38.7942, 64.5344,
49.1804

■ 37.4292, 63.9159,
45.2690

Harmonies

Analogous

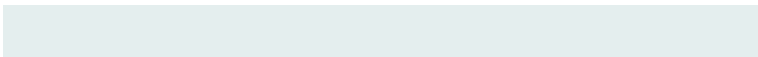
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2192, 83.8052, 88.2238



77.8830, 83.8052, 90.6684



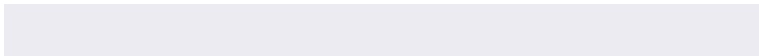
78.0184, 83.8052, 93.3161

Triad

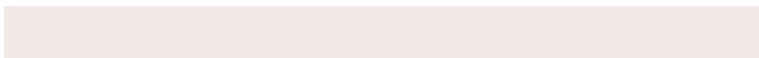
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8830, 83.8052, 90.6684



80.3727, 83.8052, 96.0489



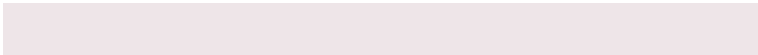
80.7276, 83.8052, 87.1767

Complementary

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



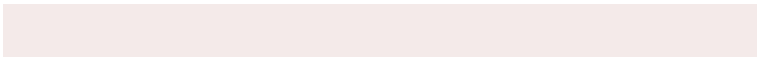
77.8830, 83.8052, 90.6684



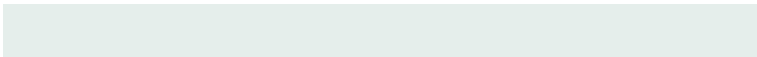
77.8477, 80.0441, 87.6950

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.



81.3129, 83.8052, 89.2139



77.8830, 83.8052, 90.6684



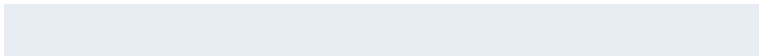
81.1069, 83.8052, 94.3439

Square

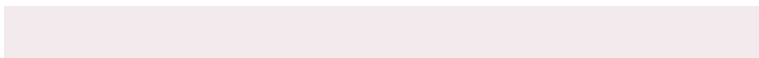
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



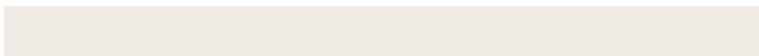
77.8830, 83.8052, 90.6684



79.4511, 83.8052, 96.4567



81.4523, 83.8052, 91.8333



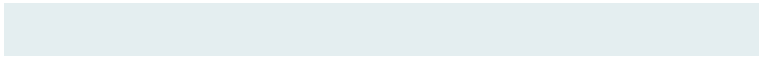
79.8579, 83.8052, 86.2334

Rectangle

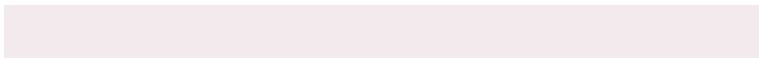
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8830, 83.8052, 90.6684



78.3585, 83.8052, 94.8365



81.4523, 83.8052, 91.8333



80.9644, 83.8052, 87.7543

Sweetspot

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



77.8854, 83.8088, 90.6702



93.9814, 99.4649, 108.1366



78.0476, 83.9909, 86.2282



20.1271, 21.2952, 23.1538



0.0000, 0.0000, 0.0000



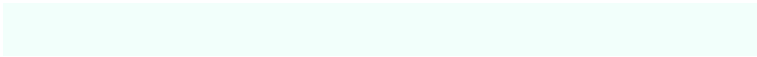
20.3446, 21.4041, 23.3091

Same Dimension

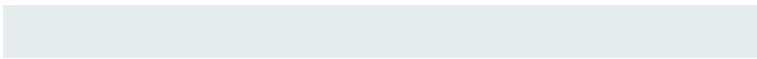
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8854, 83.8088, 90.6702



89.8365, 97.3906, 105.1207



77.9314, 83.2004, 92.8450



16.7022, 18.1800, 19.5978



20.5920, 35.5288, 24.2984



1.7590, 2.9740, 2.2634

Inverse Universe

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



77.8477, 80.0441, 87.6950



89.7786, 91.5980, 100.5429



77.7997, 80.6252, 85.5917



16.6899, 16.9558, 18.6303



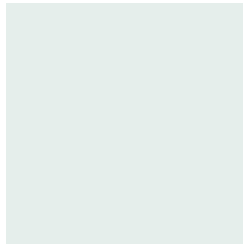
20.5206, 10.4806, 5.3918



1.7516, 0.8897, 0.6828

Previews

White Background



This preview shows how the XYZ color 77.8830, 83.8052, 90.6684 looks on a white background.

Color Contrast Check

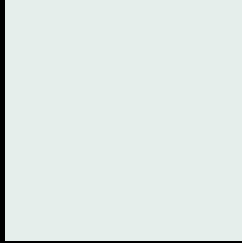
Large Text (above 18pt) WCAG AA × Fail

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 77.8830, 83.8052, 90.6684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

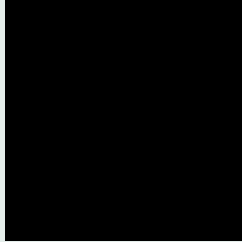
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

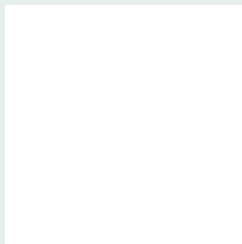
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8830, 83.8052, 90.6684

Background



This preview shows how black text looks on a background with the XYZ color 77.8830, 83.8052, 90.6684.



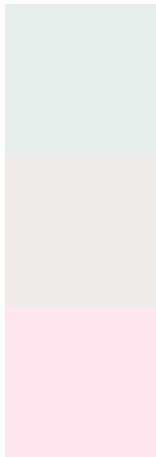
This preview shows how white text looks on a background with the XYZ color 77.8830, 83.8052,

90.6684.

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

77.8830, 83.8052, 90.6684

Protanopia

80.3515, 83.8251, 89.0357

Deuteranopia

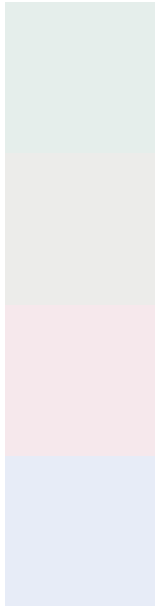
84.5454, 83.4130, 91.7651



Tritanopia

80.8764, 83.7282, 105.6644

Trichromacy



Original Color

77.8830, 83.8052, 90.6684

Protanomaly

79.4388, 83.7643, 89.8232

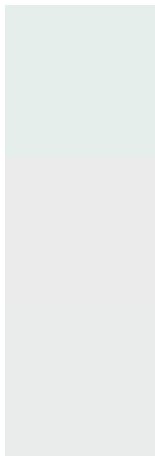
Deuteranomaly

82.0030, 83.3622, 91.1254

Tritanomaly

79.7390, 83.6952, 99.9478

Monochromacy



Original Color

77.8830, 83.8052, 90.6684

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.5951, 83.3127, 90.5358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8830, 83.8052, 90.6684 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(229, 238, 235) looks like.

```
.text, #text, p{  
    color:rgb(229, 238, 235)  
}
```

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(229, 238, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 238, 235) }
```

Border

The CSS property to change the border of an element to XYZ 77.8830, 83.8052, 90.6684 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(229, 238, 235) }
```


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

```
.border{ border-color:rgb(229, 238, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 238, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 238, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 238, 235); box-shadow:4px 4px 4px 4px rgb(229, 238, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8830, 83.8052, 90.6684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 238, 235) }
```

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

```
.background{ background-color: rgb(229,  
238, 235) }
```

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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