

Converting Colors

XYZ(78.8615, 83.9284, 91.3090)

Have a look what the booklet for
XYZ(78.8615, 83.9284, 91.3090)
contains.

XYZ(78.7032, 83.7803, 91.3800)	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(78.7032, 83.7803,
91.3800)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EDEC
RGB	232, 237, 236
RGB Percent	91%, 93%, 93%
CMY	0.0902, 0.0706, 0.0745
CMYK	0.02, 0.00, 0.00, 0.07
HSL	168°, 12%, 92%
HSV	168°, 2%, 93%
XYZ	78.7032, 83.7803, 91.3800
YIQ	235.3910, -2.6590, -1.3710

Conversions

Conversions Part 2

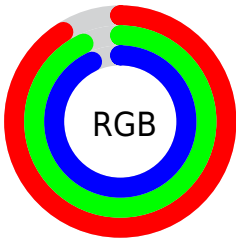
Format	Color
R _Y B	232, 235, 237
Decimal	15265260
CIE Lab	93.35, -1.84, -0.11
CIE LCh	93, 1.840, 183.378
Yxy	83.7803, 0.3100, 0.3300
Android (android.graphics.Color)	4293455340 (0xFFE8EDEC)
YUV	235.3910, 0.3002, -2.9739
Hunter-Lab	91.5316, -6.6975, 4.8803

Details

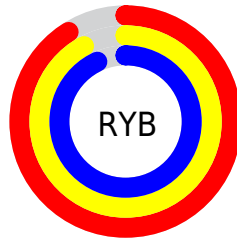
The XYZ color **78.7032, 83.7803, 91.3800** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.4927, 81.6031, 88.7088**, and the grayscale version is **79.2648, 83.3927, 90.8147**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6666, 45.5731, 49.7277** is the 20% darker color. If you saturate the color by 10%, you get **70.8417, 79.8086, 87.4552**, and if you desaturate by 10%, it is **87.3666, 88.1679, 95.4418**.

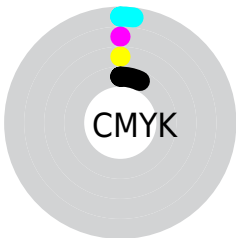
Distribution



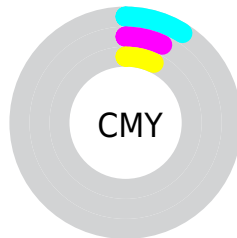
- Red (91%)
- Green (93%)
- Blue (93%)



- Red (91%)
- Yellow (92%)
- Blue (93%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7032, 83.7803, 91.3800 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 78.7032, 83.7803, 91.3800 by changing the saturation by 10% instead.

■ 78.7032, 83.7803,
91.3800

■ 78.7032, 83.7803,
91.3800

479.3551,
507.5834, 553.1953

■ 58.9566, 62.8341,
68.5456

130.5011,
138.6678, 151.2060

■ 42.8244, 45.7070,
49.8723

163.2831,
173.3779, 189.0348

■ 29.9413, 32.0147,
34.9415

201.1409,
213.4447, 232.6987

■ 19.9419, 21.3727,
23.3346

244.4399,
259.2526, 282.6164

■ 12.4608, 13.3967,
14.6332

293.5455,
311.1860, 339.2063

■ 7.1328, 7.7023,
8.4186

348.8230,

■ 3.5923, 3.9050,

369.6294, 402.8871

4.2723

410.6377,
434.9670, 474.0773

■ 1.4742, 1.6206,
1.7759

■ 0.3082, 0.3714,
0.4120

■ 78.7032, 83.7803,
91.3800

■ 78.7032, 83.7803,
91.3800

■ 70.8417, 79.8086,
87.4552

■ 87.3666, 88.1679,
95.4418

■ 63.9922, 76.3543,
83.6712

■ 88.0854, 88.4554,
99.2269

■ 58.1132, 73.3981,
80.0273

■ 88.8228, 88.7504,
103.1103

■ 53.1572, 70.9157,
76.5203

■ 89.5758, 89.0516,
107.0753

■ 49.0727, 68.8805,
73.1471

■ 45.8031, 67.2633,
69.9043

■ 43.2851, 66.0316,
66.7882

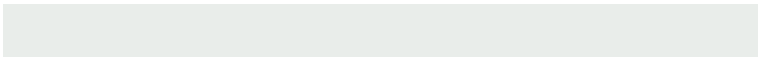
■ 41.4458, 65.1478,
63.7946

■ 40.1975, 64.5666,
60.9184

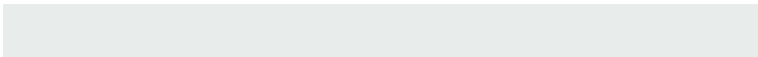
Harmonies

Analogous

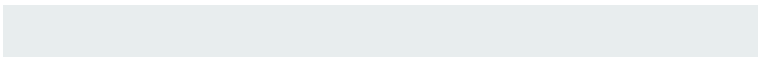
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7997, 83.7803, 90.0308



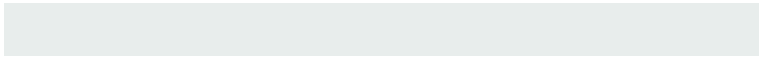
78.7032, 83.7803, 91.3800



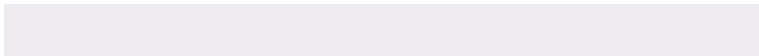
78.8543, 83.7803, 92.7000

Triad

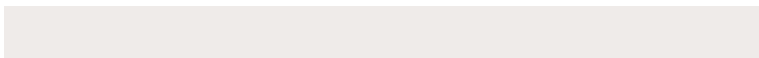
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7032, 83.7803, 91.3800



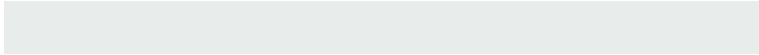
80.1449, 83.7803, 93.4713



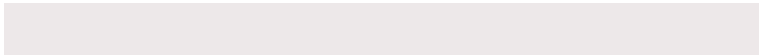
80.0493, 83.7803, 88.8553

Complementary

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



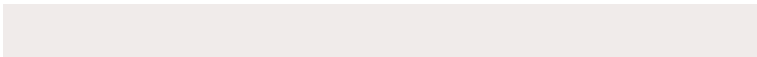
78.7032, 83.7803, 91.3800



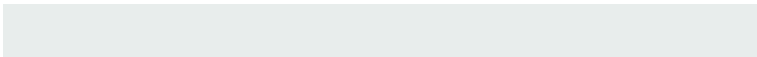
78.4927, 81.6031, 88.7088

Split Complementary

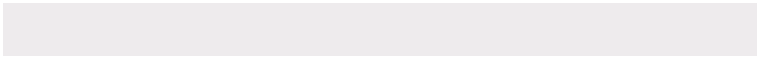
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4121, 83.7803, 89.7608



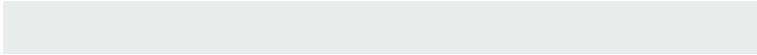
78.7032, 83.7803, 91.3800



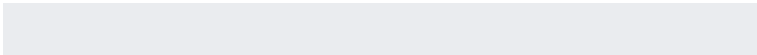
80.4674, 83.7803, 92.4247

Square

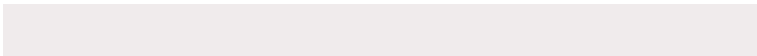
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7032, 83.7803, 91.3800



79.6856, 83.7803, 93.9151



80.5654, 83.7803, 91.0652



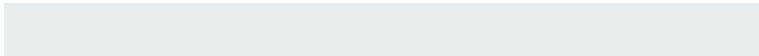
79.5757, 83.7803, 88.5818

Rectangle

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



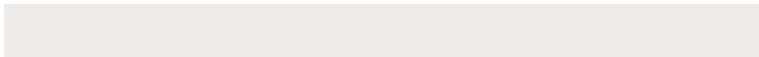
78.7032, 83.7803, 91.3800



79.0756, 83.7803, 93.3832



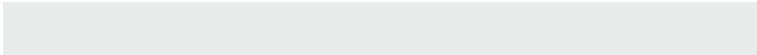
80.5654, 83.7803, 91.0652



80.1883, 83.7803, 89.0954

Sweetspot

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



78.7056, 83.7839, 91.3818



94.0358, 99.4867, 108.4232



78.4838, 83.7360, 88.3712



20.1382, 21.2996, 23.2121



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

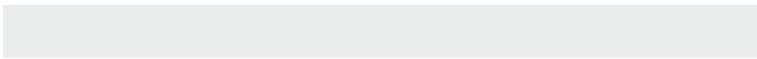
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7056, 83.7839, 91.3818



92.0452, 98.4794, 107.4747



78.4430, 83.0246, 92.0160



16.3293, 17.5467, 19.1588



21.6239, 35.1040, 32.3144



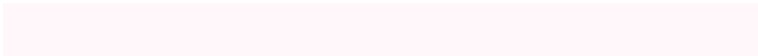
1.7308, 2.7696, 2.7103

Inverse Universe

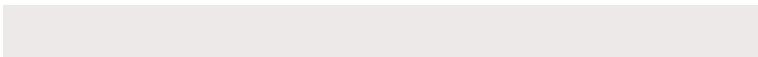
The Inverse Universe completely reimagines the original color for something new.



78.4927, 81.6031, 88.7088



91.6888, 94.8282, 102.9994



78.7504, 82.3473, 88.0891



16.2496, 16.7304, 18.1582



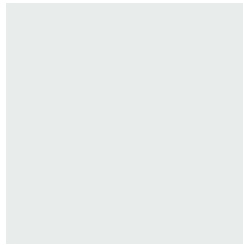
19.3912, 9.9592, 2.5952



1.5562, 0.7954, 0.3804

Previews

White Background



This preview shows how the XYZ color 78.7032, 83.7803, 91.3800 looks on a white background.

Color Contrast Check

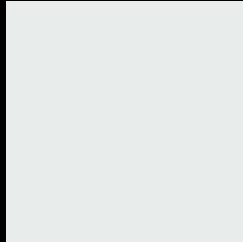
Large Text (above 18pt) WCAG AA × Fail

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 78.7032, 83.7803, 91.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

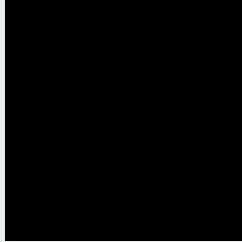
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

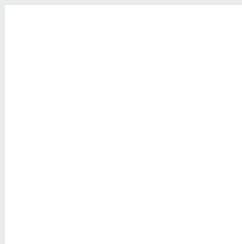
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7032, 83.7803, 91.3800

Background



This preview shows how black text looks on a background with the XYZ color 78.7032, 83.7803, 91.3800.



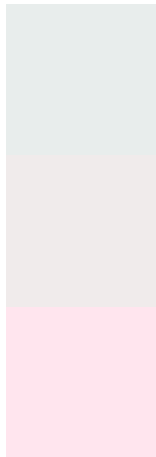
This preview shows how white text looks on a background with the XYZ color 78.7032, 83.7803,

91.3800.

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

78.7032, 83.7803, 91.3800

Protanopia

80.6389, 83.9401, 90.5492

Deuteranopia

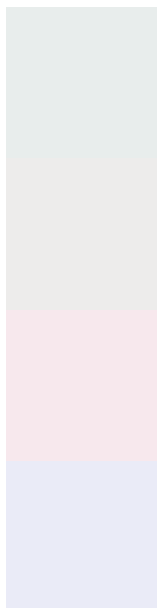
84.6919, 83.4717, 92.5368



Tritanopia

81.4134, 83.5997, 104.7739

Trichromacy



Original Color

78.7032, 83.7803, 91.3800

Protanomaly

79.9159, 83.9936, 90.5976

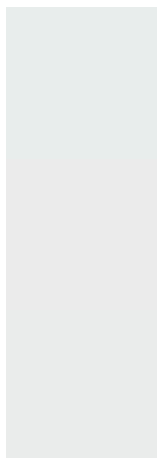
Deuteranomaly

82.5004, 83.6018, 91.9093

Tritanomaly

80.4285, 83.6245, 99.8978

Monochromacy



Original Color

78.7032, 83.7803, 91.3800

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.9225, 83.4815, 90.5511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7032, 83.7803, 91.3800 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(232, 237, 236) looks like.

```
.text, #text, p{  
    color:rgb(232, 237, 236)  
}
```

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(232, 237, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 237, 236) }
```

Border

The CSS property to change the border of an element to XYZ 78.7032, 83.7803, 91.3800 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(232, 237, 236) }
```


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

```
.border{ border-color:rgb(232, 237, 236) }
```

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

Here you see how a box with a 4 pixel rgb(232, 237, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 237, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 237, 236);  
box-shadow:4px 4px 4px 4px rgb(232, 237,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7032, 83.7803, 91.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 237, 236) }
```

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

```
.background{ background-color: rgb(232,  
237, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor