

Converting Colors

XYZ(78.3101, 82.9670, 93.3551)

Have a look what the booklet for
XYZ(78.3101, 82.9670, 93.3551)
contains.

XYZ(78.5304, 83.2118, 93.5838)	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(78.5304, 83.2118,
93.5838)**

Conversions

Conversions Part 1

Format	Color
Hex	E7ECEF
RGB	231, 236, 239
RGB Percent	91%, 93%, 94%
CMY	0.0941, 0.0745, 0.0627
CMYK	0.03, 0.01, 0.00, 0.06
HSL	202°, 20%, 92%
HSV	202°, 3%, 94%
XYZ	78.5304, 83.2118, 93.5838
YIQ	234.8470, -3.9430, -0.1270

Conversions

Conversions Part 2

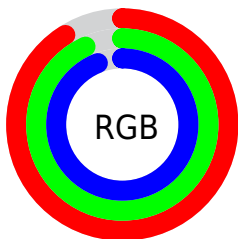
Format	Color
R _Y B	231, 234, 239
Decimal	15199471
CIE Lab	93.11, -1.11, -2.04
CIE LCh	93, 2.324, 241.401
Yxy	83.2118, 0.3076, 0.3259
Android (android.graphics.Color)	4293389551 (0xFFE7ECEF)
YUV	234.8470, 2.0474, -3.3738
Hunter-Lab	91.2205, -5.9678, 3.0283

Details

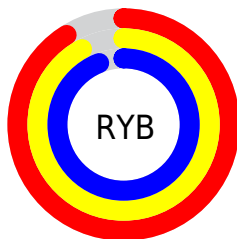
The XYZ color **78.5304, 83.2118, 93.5838** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.4433, 82.9650, 87.4292**, and the grayscale version is **78.8383, 82.9441, 90.3261**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5477, 45.1754, 51.2770** is the 20% darker color. If you saturate the color by 10%, you get **68.8247, 74.4801, 92.4112**, and if you desaturate by 10%, it is **89.4233, 92.7519, 94.8524**.

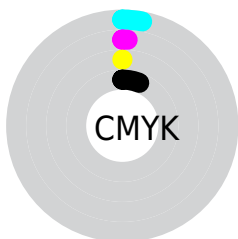
Distribution



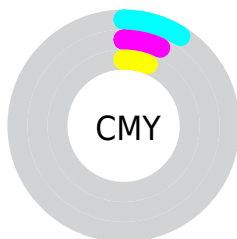
- Red (91%)
- Green (93%)
- Blue (94%)



- Red (91%)
- Yellow (92%)
- Blue (94%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (9%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5304, 83.2118, 93.5838 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 78.5304, 83.2118, 93.5838 by changing the saturation by 10% instead.

■ 78.5304, 83.2118,
93.5838

■ 78.5304, 83.2118,
93.5838

478.7786,
505.6921, 560.4893

■ 58.8141, 62.3649,
70.3665

130.2590,
137.8721, 154.2853

■ 42.7093, 45.3276,
51.3467

163.0019,
172.4542, 192.6066

■ 29.8506, 31.7155,
36.1060

200.8178,
212.3836, 236.7996

■ 19.8727, 21.1443,
24.2257

244.0720,
258.0445, 287.2828

■ 12.4103, 13.2295,
15.2874

293.1298,
309.8214, 344.4749

■ 7.0979, 7.5868,
8.8725

348.3566,

■ 3.5703, 3.8317,

368.0988, 408.7943

4.5624

410.1177,
433.2609, 480.6596

■ 1.4620, 1.5799,
1.9387

■ 0.2998, 0.3440,
0.5172

■ 78.5304, 83.2118,
93.5838

■ 78.5304, 83.2118,
93.5838

■ 68.8247, 74.4801,
92.4112

■ 89.4233, 92.7519,
94.8524

■ 60.2549, 66.5206,
91.3266

■ 92.2326, 98.3169,
95.7785

■ 52.7760, 59.3097,
90.3289

■ 92.5802, 99.0121,
95.8943

■ 46.3376, 52.8184,
89.4153

■ 40.8845, 47.0152,
88.5826

■ 36.3564, 41.8662,
87.8274

■ 32.6857, 37.3332,
87.1459

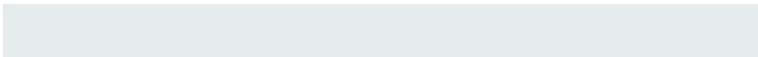
■ 29.7943, 33.3728,
86.5338

■ 27.5881, 29.9331,
85.9862

Harmonies

Analogous

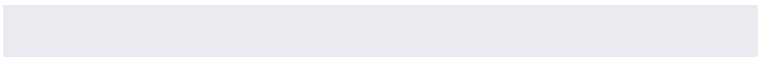
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0938, 83.2118, 92.3643



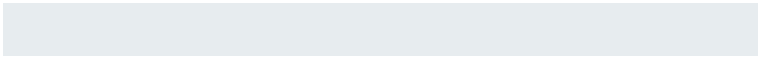
78.5304, 83.2118, 93.5838



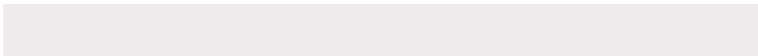
79.1190, 83.2118, 94.0020

Triad

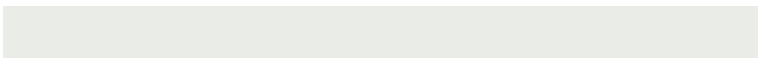
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5304, 83.2118, 93.5838



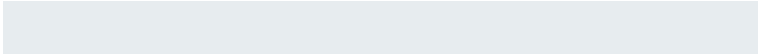
80.2683, 83.2118, 90.5214



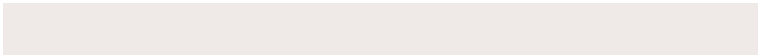
78.4810, 83.2118, 87.7675

Complementary

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



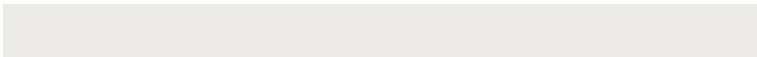
78.5304, 83.2118, 93.5838



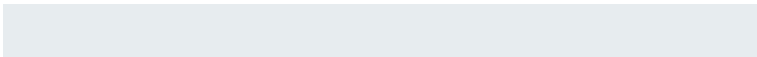
79.4433, 82.9650, 87.4292

Split Complementary

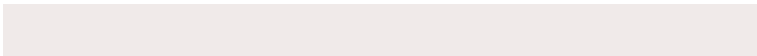
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0617, 83.2118, 87.2879



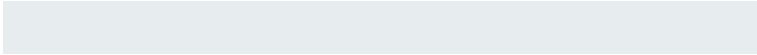
78.5304, 83.2118, 93.5838



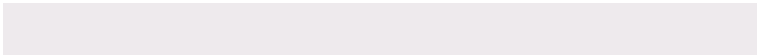
80.0953, 83.2118, 88.8652

Square

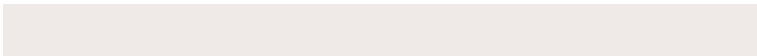
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



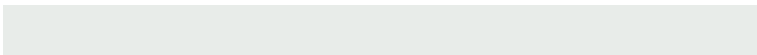
78.5304, 83.2118, 93.5838



80.1242, 83.2118, 92.2204



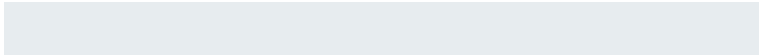
79.6529, 83.2118, 87.6872



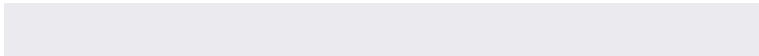
78.0654, 83.2118, 89.0056

Rectangle

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



78.5304, 83.2118, 93.5838



79.5189, 83.2118, 93.7660



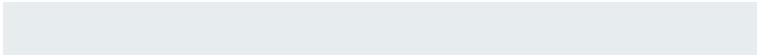
79.6529, 83.2118, 87.6872



78.6633, 83.2118, 87.5129

Sweetspot

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



78.5328, 83.2153, 93.5856



93.8141, 98.9117, 108.7551



78.6644, 84.6599, 89.9878



20.0931, 21.1827, 23.2796



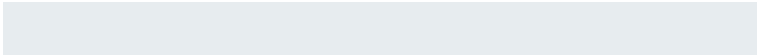
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.5328, 83.2153, 93.5856



90.1899, 95.7034, 108.3268



77.4116, 80.9730, 93.2119



16.7341, 17.7845, 20.2724



14.7223, 15.6688, 47.3763



1.3199, 1.4939, 3.9730

Inverse Universe

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



79.3146, 81.5602, 90.9234



91.2729, 93.4203, 104.6369



80.5768, 85.2318, 87.8070



16.9728, 17.2835, 19.4584



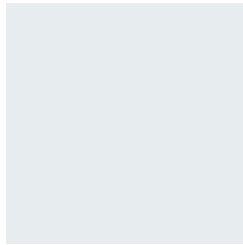
22.7567, 11.3751, 17.1674



1.9412, 0.9655, 1.6812

Previews

White Background



This preview shows how the XYZ color 78.5304, 83.2118, 93.5838 looks on a white background.

Color Contrast Check

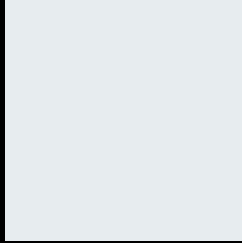
Large Text (above 18pt) WCAG AA × Fail

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 78.5304, 83.2118, 93.5838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

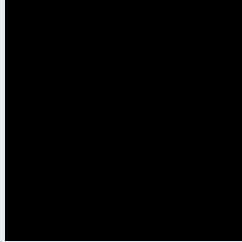
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

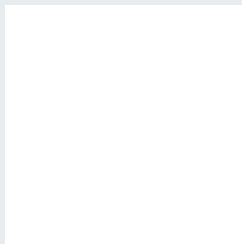
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5304, 83.2118, 93.5838

Background



This preview shows how black text looks on a background with the XYZ color 78.5304, 83.2118, 93.5838.



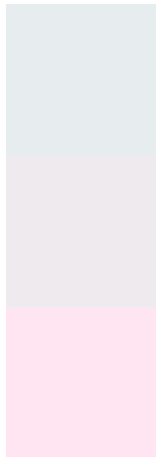
This preview shows how white text looks on a background with the XYZ color 78.5304, 83.2118,

93.5838.

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

78.5304, 83.2118, 93.5838

Protanopia

80.1153, 83.1958, 92.7248

Deuteranopia

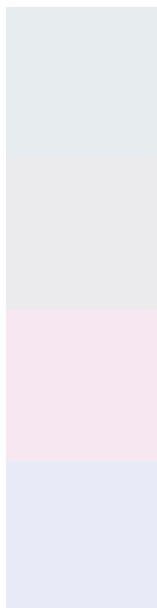
84.8606, 83.0977, 94.7859



Tritanopia

80.5978, 83.1976, 103.9062

Trichromacy



Original Color

78.5304, 83.2118, 93.5838

Protanomaly

79.4019, 83.2519, 92.7732

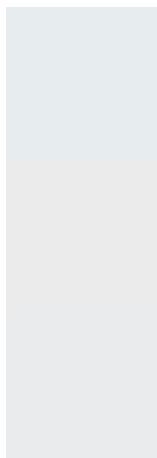
Deuteranomaly

82.3101, 83.0359, 94.1274

Tritanomaly

79.7755, 83.2879, 99.8672

Monochromacy



Original Color

78.5304, 83.2118, 93.5838

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.7803, 82.9652, 91.2186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5304, 83.2118, 93.5838 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(231, 236, 239) looks like.

```
.text, #text, p{  
    color:rgb(231, 236, 239)  
}
```

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(231, 236, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 236, 239) }
```

Border

The CSS property to change the border of an element to XYZ 78.5304, 83.2118, 93.5838 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(231, 236, 239) }
```


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

```
.border{ border-color:rgb(231, 236, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 236, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 236, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 236, 239);  
box-shadow:4px 4px 4px 4px rgb(231, 236,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5304, 83.2118, 93.5838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 236, 239) }
```

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

```
.background{ background-color: rgb(231,  
236, 239) }
```

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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