

Converting Colors

XYZ(78.6809, 81.9413, 95.9201)

Have a look what the booklet for
XYZ(78.6809, 81.9413, 95.9201)
contains.

XYZ(78.7702, 82.0123, 95.6827)	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(78.7702, 82.0123,
95.6827)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E9F2
RGB	233, 233, 242
RGB Percent	91%, 91%, 95%
CMY	0.0863, 0.0863, 0.0510
CMYK	0.04, 0.04, 0.00, 0.05
HSL	240°, 26%, 93%
HSV	240°, 4%, 95%
XYZ	78.7702, 82.0123, 95.6827
YIQ	234.0260, -2.8890, 2.7990

Conversions

Conversions Part 2

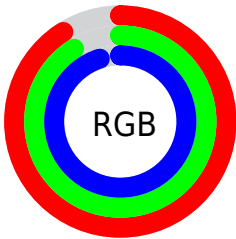
Format	Color
R _Y B	233, 233, 242
Decimal	15329778
CIE Lab	92.58, 1.64, -4.36
CIE LCh	93, 4.656, 290.561
Yxy	82.0123, 0.3071, 0.3198
Android (android.graphics.Color)	4293519858 (0xFFE9E9F2)
YUV	234.0260, 3.9312, -0.8998
Hunter-Lab	90.5606, -3.2207, 0.7490

Details

The XYZ color **78.7702, 82.0123, 95.6827** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.0782, 88.2637, 89.7500**, and the grayscale version is **78.2012, 82.2738, 89.5961**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7165, 44.3366, 52.7608** is the 20% darker color. If you saturate the color by 10%, you get **65.0209, 65.4478, 93.2114**, and if you desaturate by 10%, it is **93.0272, 99.1909, 98.2483**.

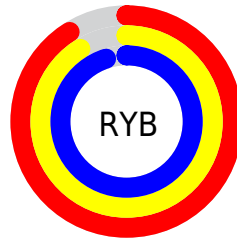
Distribution



Red (91%)

Green (91%)

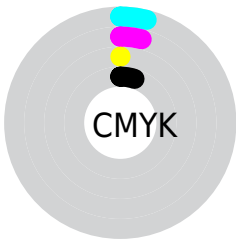
Blue (95%)



Red (91%)

Yellow (91%)

Blue (95%)

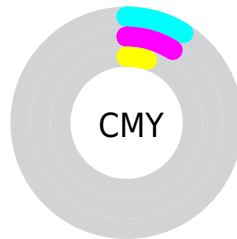


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (5%)



Cyan (9%)

Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7702, 82.0123, 95.6827 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 78.7702, 82.0123, 95.6827 by changing the saturation by 10% instead.

■ 78.7702, 82.0123,
95.6827

■ 78.7702, 82.0123,
95.6827

479.5785,
501.6888, 567.3883

■ 59.0119, 61.3757,
72.1033

130.5949,
136.1913, 157.2111

■ 42.8691, 44.5284,
52.7557

163.3920,
170.5024, 195.9972

■ 29.9765, 31.0861,
37.2214

201.2661,
210.1404, 240.6893

■ 19.9687, 20.6645,
25.0818

244.5825,
255.4898, 291.7059

■ 12.4804, 12.8790,
15.9185

293.7066,
306.9350, 349.4656

■ 7.1463, 7.3452,
9.3127

349.0037,

■ 3.6009, 3.6789,

364.8603, 414.3868

4.8461

410.8392,
429.6501, 486.8883

■ 1.4789, 1.4956,
2.1001

■ 0.3114, 0.2857,
0.6158

■ 78.7702, 82.0123,
95.6827

■ 78.7702, 82.0123,
95.6827

■ 65.0209, 65.4478,
93.2114

■ 93.0272, 99.1909,
98.2483

■ 53.2096, 51.2173,
91.0871

■ 43.2514, 39.2190,
89.2961

■ 35.0522, 29.3398,
87.8213

■ 28.5099, 21.4565,
86.6445

■ 23.5117, 15.4335,
85.7454

■ 19.9309, 11.1180,
85.1011

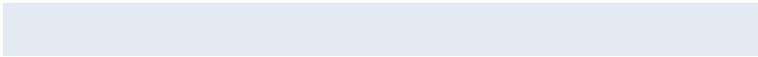
■ 17.6208, 8.3333,
84.6854

■ 16.4026, 6.8643,
84.4660

Harmonies

Analogous

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



77.5693, 82.0123, 96.0331



78.7702, 82.0123, 95.6827



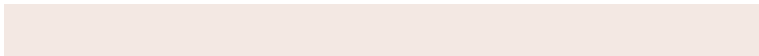
79.7609, 82.0123, 93.5976

Triad

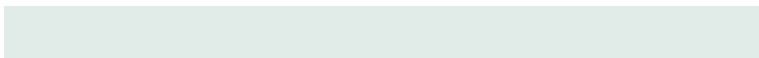
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7702, 82.0123, 95.6827



79.4376, 82.0123, 84.2496



75.6776, 82.0123, 88.2091

Complementary

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



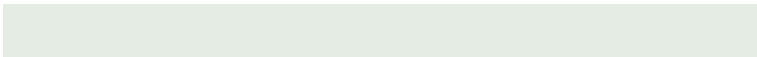
78.7702, 82.0123, 95.6827



83.0782, 88.2637, 89.7500

Split Complementary

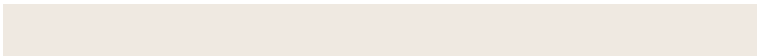
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1672, 82.0123, 85.1311



78.7702, 82.0123, 95.6827



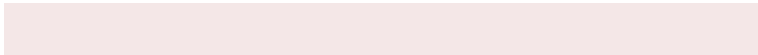
78.3324, 82.0123, 82.8844

Square

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



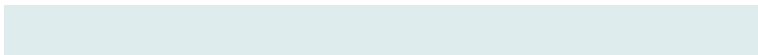
78.7702, 82.0123, 95.6827



80.1490, 82.0123, 86.9777



77.1360, 82.0123, 83.2028



75.7920, 82.0123, 91.6581

Rectangle

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



78.7702, 82.0123, 95.6827



80.1649, 82.0123, 91.5334



77.1360, 82.0123, 83.2028



75.7768, 82.0123, 87.0982

Sweetspot

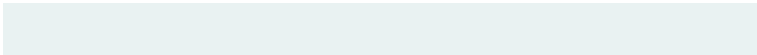
The Sweet Spot groups the original color and five complimentary colors.



78.7726, 82.0158, 95.6845



93.3103, 97.9040, 108.5871



81.3621, 87.2310, 96.4366



19.9906, 20.9776, 23.2454



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.



78.7726, 82.0158, 95.6845



88.2297, 91.7830, 107.6734



80.2092, 82.7548, 95.7514



16.3035, 16.9234, 20.1289



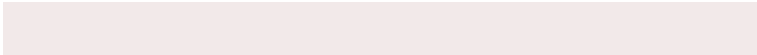
8.6107, 3.4456, 45.3391



0.7165, 0.2870, 3.7719

Inverse Universe

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



80.4667, 83.0398, 88.8822



90.2835, 93.0245, 99.4268



81.6039, 87.5054, 89.6813



16.7555, 17.1966, 18.3140



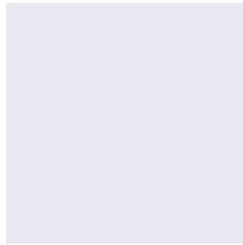
19.6719, 10.1412, 0.9229



1.6366, 0.8437, 0.0773

Previews

White Background



This preview shows how the XYZ color 78.7702, 82.0123, 95.6827 looks on a white background.

Color Contrast Check

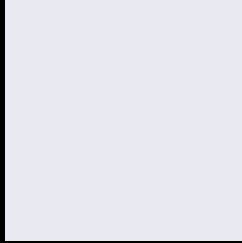
Large Text (above 18pt) WCAG AA × Fail

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 78.7702, 82.0123, 95.6827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

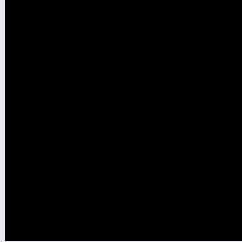
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

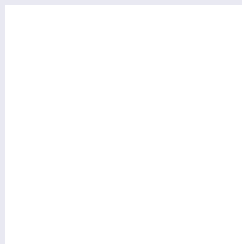
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7702, 82.0123, 95.6827

Background



This preview shows how black text looks on a background with the XYZ color 78.7702, 82.0123, 95.6827.



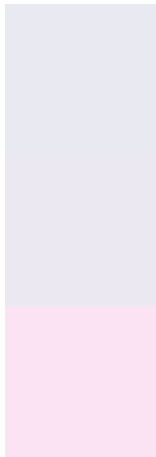
This preview shows how white text looks on a background with the XYZ color 78.7702, 82.0123,

95.6827.

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

78.7702, 82.0123, 95.6827

Protanopia

79.1446, 81.7862, 95.6193

Deuteranopia

83.7916, 82.1047, 96.2255



Tritanopia

80.0436, 82.1078, 102.0721

Trichromacy



Original Color

78.7702, 82.0123, 95.6827

Protanomaly

78.8153, 81.6165, 95.6039

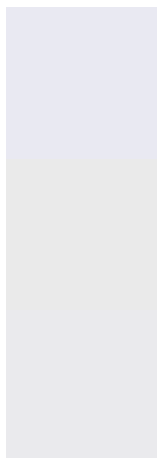
Deuteranomaly

81.8532, 81.9222, 96.2925

Tritanomaly

79.5768, 81.9211, 99.6139

Monochromacy



Original Color

78.7702, 82.0123, 95.6827

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.6406, 82.4525, 91.8909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7702, 82.0123, 95.6827 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, 233, 242) looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 242)  
}
```

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, 233, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 242) }
```

Border

The CSS property to change the border of an element to XYZ 78.7702, 82.0123, 95.6827 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, 233, 242) }
```


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

```
.border{ border-color:rgb(233, 233, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 233, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 242);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7702, 82.0123, 95.6827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 242) }
```

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

```
.background{ background-color: rgb(233,  
233, 242) }
```

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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