

# Converting Colors

XYZ(78.2118, 80.8924, 95.4980)

Have a look what the booklet for  
XYZ(78.2118, 80.8924, 95.4980)  
contains.

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# Color

**XYZ(78.2072, 80.8863,  
95.4951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E7F2
RGB	233, 231, 242
RGB Percent	91%, 91%, 95%
CMY	0.0863, 0.0941, 0.0510
CMYK	0.04, 0.05, 0.00, 0.05
HSL	251°, 30%, 93%
HSV	251°, 5%, 95%
XYZ	78.2072, 80.8863, 95.4951
YIQ	232.8520, -2.3390, 3.8450

# Conversions

## Conversions Part 2

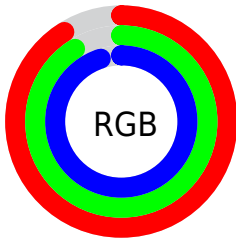
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 231, 242
Decimal	15329266
CIE Lab	92.08, 2.67, -5.10
CIE LCh	92, 5.750, 297.616
Yxy	80.8863, 0.3072, 0.3177
Android (android.graphics.Color)	4293519346 (0xFFE9E7F2)
YUV	232.8520, 4.5100, 0.1298
Hunter-Lab	89.9368, -2.1695, 0.0015

# Details

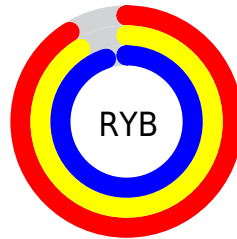
The XYZ color **78.2072, 80.8863, 95.4951** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.1142, 87.8013, 88.2249**, and the grayscale version is **77.3112, 81.3374, 88.5765**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3244, 43.5522, 52.6301** is the 20% darker color. If you saturate the color by 10%, you get **65.7900, 65.1175, 93.1071**, and if you desaturate by 10%, it is **92.2257, 98.7777, 98.2109**.

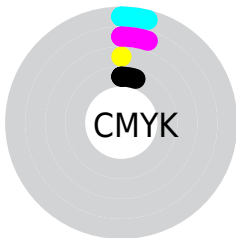
# Distribution



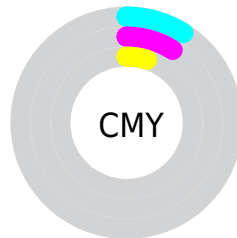
- Red (91%)
- Green (91%)
- Blue (95%)



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



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (9%)
- Magenta (9%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2072, 80.8863, 95.4951 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 78.2072, 80.8863, 95.4951 by changing the saturation by 10% instead.



78.2072, 80.8863,  
95.4951

78.2072, 80.8863,  
95.4951

477.6993,  
497.9147, 566.7736

58.5476, 60.4480,  
71.9480

129.8060,  
134.6111, 156.9499

42.4940, 43.7798,  
52.6296

162.4759,  
168.6664, 195.6946

29.6811, 30.4974,  
37.1215

200.2132,  
208.0294, 240.3423

19.7435, 20.2165,  
25.0050

243.3834,  
253.0846, 291.3114

12.3159, 12.5525,  
15.8617

292.3517,  
304.2163, 349.0206

7.0329, 7.1211,  
9.2731

347.4835,

3.5292, 3.5380,

361.8090, 413.8883

4.8205

409.1443,  
426.2470, 486.3331

■ 1.4394, 1.4186,  
2.0854

■ 0.2840, 0.2304,  
0.6071

■ 78.2072, 80.8863,  
95.4951

■ 78.2072, 80.8863,  
95.4951

■ 65.7900, 65.1175,  
93.1071

■ 92.2257, 98.7777,  
98.2109

■ 54.9707, 51.5037,  
91.0496

■ 93.0273, 99.1909,  
98.2484

■ 45.6855, 39.9536,  
89.3096

■ 37.8640, 30.3656,  
87.8712

■ 31.4298, 22.6293,  
86.7170

■ 26.2996, 16.6234,  
85.8282

■ 22.3807, 12.2116,  
85.1832

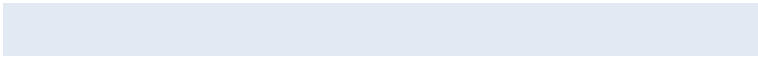
■ 19.5676, 9.2369,  
84.7572

■ 17.7350, 7.5088,  
84.5203

# Harmonies

## Analogous

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



76.7616, 80.8863, 96.4713



78.2072, 80.8863, 95.4951



79.3092, 80.8863, 92.5108

# Triad

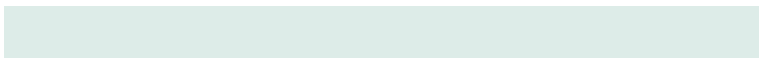
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2072, 80.8863, 95.4951



78.4149, 80.8863, 81.3641



74.0705, 80.8863, 87.7327

# Complementary

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



78.2072, 80.8863, 95.4951



82.1142, 87.8013, 88.2249

# Split Complementary

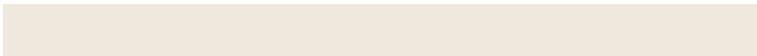
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.5009, 80.8863, 83.7764



78.2072, 80.8863, 95.4951



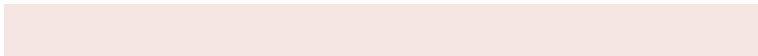
76.9985, 80.8863, 80.1739

# Square

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



78.2072, 80.8863, 95.4951



79.4302, 80.8863, 84.3459



75.5679, 80.8863, 81.0428



74.3850, 80.8863, 91.9051

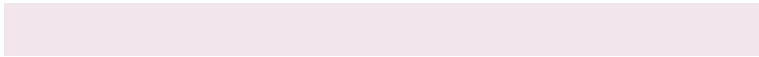


# Rectangle

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



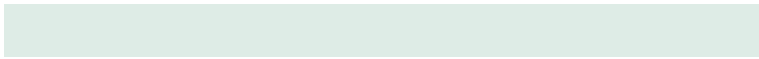
78.2072, 80.8863, 95.4951



79.6943, 80.8863, 89.8316



75.5679, 80.8863, 81.0428



74.1328, 80.8863, 86.3344

# Sweetspot

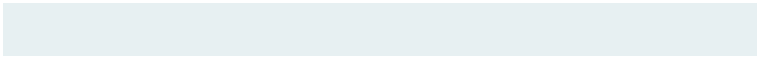
The Sweet Spot groups the original color and five complimentary colors.



78.2095, 80.8898, 95.4969



93.4782, 97.9901, 108.5949



80.1939, 85.8204, 96.3440



20.0248, 20.9951, 23.2470



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.



78.2095, 80.8898, 95.4969



87.3810, 90.2074, 107.4140



79.9776, 81.8012, 95.5796



16.1830, 16.6618, 20.0847



9.2476, 3.7727, 45.3687



0.8437, 0.3522, 3.7777



# Inverse Universe

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



80.9250, 82.3241, 94.0673



90.7461, 91.9850, 105.6381



80.3296, 86.8813, 88.1413



16.8946, 17.0377, 19.7079



25.1983, 12.3518, 30.0247

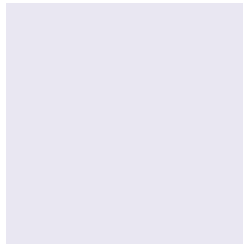


2.1280, 1.0402, 2.6647



# Previews

## White Background



This preview shows how the XYZ color 78.2072, 80.8863, 95.4951 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

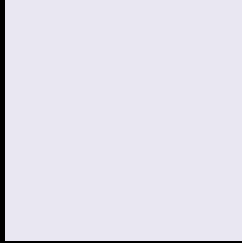
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.2072, 80.8863, 95.4951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

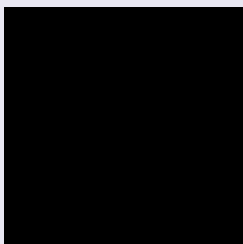
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

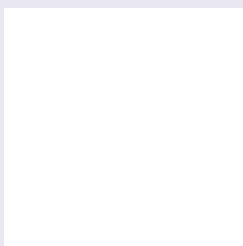
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.2072, 80.8863, 95.4951**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.2072, 80.8863, 95.4951.



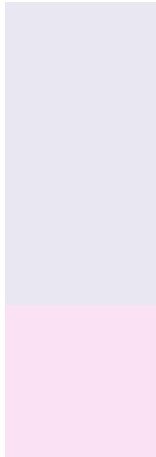
This preview shows how white text looks on a background with the XYZ color 78.2072, 80.8863,

95.4951.

# 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

78.2072, 80.8863, 95.4951

### Protanopia

78.2072, 80.8863, 95.4951

### Deuteranopia

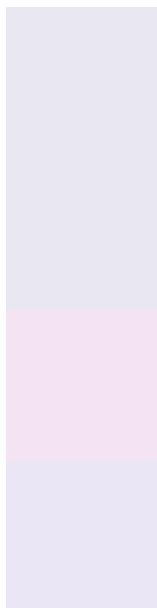
82.5272, 80.6455, 96.0105



## Tritanopia

79.1718, 80.8634, 100.2423

# Trichromacy



## Original Color

78.2072, 80.8863, 95.4951

## Protanomaly

78.2072, 80.8863, 95.4951

## Deuteranomaly

80.9550, 80.6423, 96.0928

## Tritanomaly

78.8631, 80.7399, 98.6166

# Monochromacy



## Original Color

78.2072, 80.8863, 95.4951

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.6012, 81.0930, 90.9194

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.2072, 80.8863, 95.4951 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, 231, 242) looks like.

```
.text, #text, p{  
    color:rgb(233, 231, 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, 231, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 231, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 78.2072, 80.8863, 95.4951 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, 231, 242) }
```



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

```
.border{ border-color:rgb(233, 231, 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, 231, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 231, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 231, 242);  
box-shadow:4px 4px 4px 4px rgb(233, 231,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.2072, 80.8863, 95.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 231, 242) }
```

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

```
.background{ background-color: rgb(233,  
231, 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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