

Converting Colors

XYZ(80.6345, 82.6427, 99.1910)

Have a look what the booklet for
XYZ(80.6345, 82.6427, 99.1910)
contains.

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Color

**XYZ(80.4162, 82.3716,
98.8497)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE8F6
RGB	237, 232, 246
RGB Percent	93%, 91%, 96%
CMY	0.0706, 0.0902, 0.0353
CMYK	0.04, 0.06, 0.00, 0.04
HSL	261°, 44%, 94%
HSV	261°, 6%, 96%
XYZ	80.4162, 82.3716, 98.8497
YIQ	235.0910, -1.5140, 5.4140

Conversions

Conversions Part 2

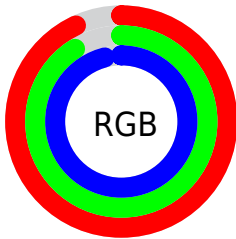
Format	Color
R _Y B	237, 232, 246
Decimal	15591670
CIE Lab	92.74, 4.20, -6.18
CIE LCh	93, 7.471, 304.222
Yxy	82.3716, 0.3074, 0.3148
Android (android.graphics.Color)	4293781750 (0xFFE8E8F6)
YUV	235.0910, 5.3781, 1.6742
Hunter-Lab	90.7588, -0.6692, -1.0444

Details

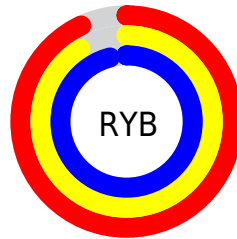
The XYZ color **80.4162, 82.3716, 98.8497** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.8000, 90.4407, 89.3882**, and the grayscale version is **78.9982, 83.1122, 90.5092**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8757, 44.5921, 55.0098** is the 20% darker color. If you saturate the color by 10%, you get **68.9205, 66.8772, 96.4661**, and if you desaturate by 10%, it is **92.8375, 99.0229, 101.4103**.

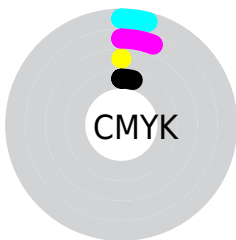
Distribution



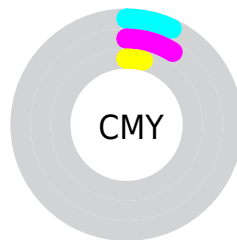
- Red (93%)
- Green (91%)
- Blue (96%)



- Red (93%)
- Yellow (91%)
- Blue (96%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4162, 82.3716, 98.8497 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 80.4162, 82.3716, 98.8497 by changing the saturation by 10% instead.

80.4162, 82.3716,
98.8497

80.4162, 82.3716,
98.8497

485.0495,
502.8898, 577.7135

60.3705, 61.6719,
74.7287

132.8982,
136.6950, 161.6136

43.9680, 44.7676,
54.8903

166.0652,
171.0875, 201.0935

30.8431, 31.2744,
38.9159

204.3368,
210.8130, 246.5302

20.6307, 20.8079,
26.3870

248.0782,
256.2559, 298.3422

12.9652, 12.9837,
16.8850

297.6548,
307.8006, 356.9479

7.4814, 7.4173,
9.9914

353.4320,

3.8140, 3.7244,

365.8316, 422.7661

5.2877

415.7751,
430.7332, 496.2151

■ 1.5974, 1.5206,
2.3554

■ 0.3907, 0.3032,
0.7620

■ 80.4162, 82.3716,
98.8497

■ 80.4162, 82.3716,
98.8497

■ 68.9205, 66.8772,
96.4661

■ 92.8375, 99.0229,
101.4103

■ 58.8055, 53.4716,
94.4117

■ 93.6348, 99.4339,
101.4476

■ 50.0184, 42.0664,
92.6734

■ 42.5000, 32.5624,
91.2352

■ 36.1863, 24.8520,
90.0797

■ 31.0072, 18.8162,
89.1877

■ 26.8845, 14.3214,
88.5374

■ 23.7285, 11.2120,
88.1035

■ 21.4312, 9.2975,
87.8551

Harmonies

Analogous

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



78.5677, 82.3716, 100.8122



80.4162, 82.3716, 98.8497



81.7116, 82.3716, 94.4328

Triad

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



80.4162, 82.3716, 98.8497



79.9312, 82.3716, 80.3759



74.6171, 82.3716, 90.4804

Complementary

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



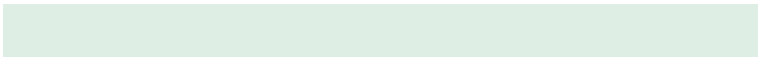
80.4162, 82.3716, 98.8497



83.8000, 90.4407, 89.3882

Split Complementary

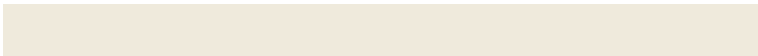
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.9686, 82.3716, 85.1061



80.4162, 82.3716, 98.8497



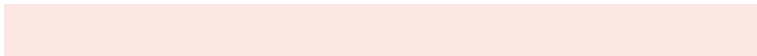
78.0164, 82.3716, 79.4150

Square

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



80.4162, 82.3716, 98.8497



81.4284, 82.3716, 83.7927



76.2050, 82.3716, 81.1119



75.2367, 82.3716, 95.8549

Rectangle

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



80.4162, 82.3716, 98.8497



82.0759, 82.3716, 90.7724



76.2050, 82.3716, 81.1119



74.6257, 82.3716, 88.6136

Sweetspot

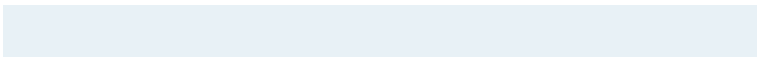
The Sweet Spot groups the original color and five complimentary colors.



80.4186, 82.3751, 98.8515



92.2483, 96.1724, 108.3089



81.4011, 86.7822, 99.6504



19.7743, 20.6250, 23.1887



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.



80.4186, 82.3751, 98.8515



85.5201, 87.0229, 106.8975



82.7673, 83.5859, 98.9614



16.6154, 16.8581, 20.9208



11.1560, 4.7254, 46.8621



1.0883, 0.4709, 4.1238

Inverse Universe

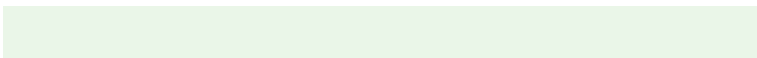
The Inverse Universe completely reimagines the original color for something new.



82.7428, 83.6607, 95.0105



88.6086, 88.7316, 101.7756



81.4887, 89.2492, 89.2800



17.2683, 17.2194, 19.8363



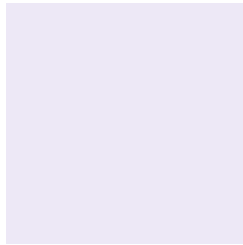
23.6582, 11.8067, 18.7065



2.1282, 1.0572, 1.9015

Previews

White Background



This preview shows how the XYZ color 80.4162, 82.3716, 98.8497 looks on a white background.

Color Contrast Check

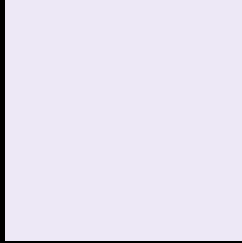
Large Text (above 18pt) WCAG AA × Fail

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 80.4162, 82.3716, 98.8497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

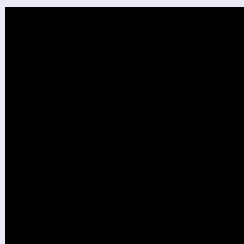
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

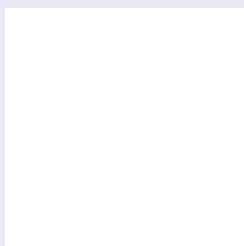
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4162, 82.3716, 98.8497

Background



This preview shows how black text looks on a background with the XYZ color 80.4162, 82.3716, 98.8497.



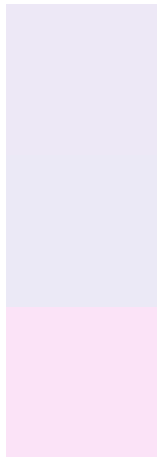
This preview shows how white text looks on a background with the XYZ color 80.4162, 82.3716,

98.8497.

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

80.4162, 82.3716, 98.8497

Protanopia

80.0344, 82.5938, 98.9127

Deuteranopia

84.0412, 82.1628, 99.4252



Tritanopia

81.0911, 82.2311, 102.0407

Trichromacy



Original Color

80.4162, 82.3716, 98.8497

Protanomaly

80.3655, 82.7645, 98.9282

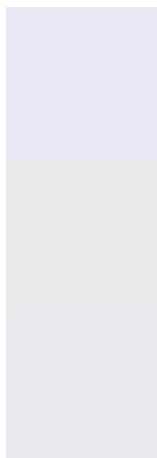
Deuteranomaly

82.8138, 82.3469, 99.5255

Tritanomaly

80.9347, 82.1685, 101.2169

Monochromacy



Original Color

80.4162, 82.3716, 98.8497

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.5949, 82.9105, 93.4696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4162, 82.3716, 98.8497 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(237, 232, 246) looks like.

```
.text, #text, p{  
    color:rgb(237, 232, 246)  
}
```

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(237, 232, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 232, 246) }
```

Border

The CSS property to change the border of an element to XYZ 80.4162, 82.3716, 98.8497 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(237, 232, 246) }
```


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

```
.border{ border-color:rgb(237, 232, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 232, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 232, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 232, 246);  
box-shadow:4px 4px 4px 4px rgb(237, 232,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4162, 82.3716, 98.8497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 232, 246) }
```

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

```
.background{ background-color: rgb(237,  
232, 246) }
```

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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