

Converting Colors

XYZ(78.3986, 80.3946,
101.7561)

Have a look what the booklet for
XYZ(78.3986, 80.3946, 101.7561)
contains.

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Color

**XYZ(78.5071, 80.4847,
101.8398)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E6FA
RGB	231, 230, 250
RGB Percent	91%, 90%, 98%
CMY	0.0941, 0.0980, 0.0196
CMYK	0.08, 0.08, 0.00, 0.02
HSL	243°, 67%, 94%
HSV	243°, 8%, 98%
XYZ	78.5071, 80.4847, 101.8398
YIQ	232.5790, -5.8240, 6.4320

Conversions

Conversions Part 2

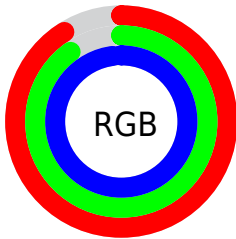
Format	Color
R _Y B	231, 230, 250
Decimal	15197946
CIE Lab	91.90, 4.04, -9.55
CIE LCh	92, 10.371, 292.902
Yxy	80.4847, 0.3010, 0.3086
Android (android.graphics.Color)	4293388026 (0xFFE7E6FA)
YUV	232.5790, 8.5886, -1.3848
Hunter-Lab	89.7133, -0.7948, -4.5049

Details

The XYZ color **78.5071, 80.4847, 101.8398** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5385, 94.2263, 88.4406**, and the grayscale version is **77.0784, 81.0925, 88.3097**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7468, 43.6689, 57.2149** is the 20% darker color. If you saturate the color by 10%, you get **64.8895, 63.8685, 99.3515**, and if you desaturate by 10%, it is **94.1659, 99.6360, 104.7123**.

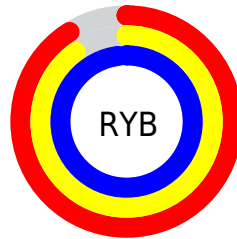
Distribution



Red (91%)

Green (90%)

Blue (98%)



Red (91%)

Yellow (90%)

Blue (98%)

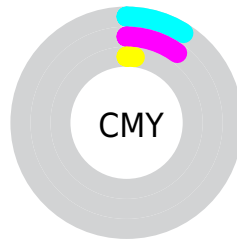


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (2%)



Cyan (9%)

Magenta (10%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5071, 80.4847, 101.8398 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 78.5071, 80.4847, 101.8398 by changing the saturation by 10% instead.

■ 78.5071, 80.4847,
101.8398

■ 78.5071, 80.4847,
101.8398

478.7008,
496.5648, 587.3723

■ 58.7949, 60.1173,
77.2125

130.2263,
134.0470, 165.7571

■ 42.6937, 43.5132,
56.9147

162.9640,
168.0106, 205.8841

■ 29.8384, 30.2880,
40.5278

200.7742,
207.2752, 252.0148

■ 19.8634, 20.0573,
27.6334

244.0224,
252.2250, 304.5678

■ 12.4035, 12.4367,
17.8129

293.0737,
303.2445, 363.9614

■ 7.0932, 7.0418,
10.6477

348.2937,

■ 3.5673, 3.4883,

360.7180, 430.6144

5.7193

410.0476,
425.0300, 504.9451

■ 1.4604, 1.3916,
2.6091

■ 0.2986, 0.2106,
0.8972

■ 78.5071, 80.4847,
101.8398

■ 78.5071, 80.4847,
101.8398

■ 64.8895, 63.8685,
99.3515

94.1659, 99.6360,
104.7123

■ 53.2238, 49.6747,
97.2267

94.2556, 99.6822,
104.7165

■ 43.4227, 37.7932,
95.4499

■ 35.3896, 28.1017,
94.0026

■ 29.0190, 20.4662,
92.8646

■ 24.1942, 14.7382,
92.0133

■ 20.7835, 10.7493,
91.4231

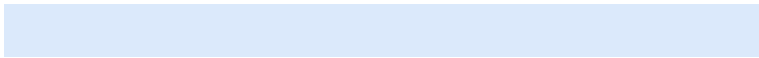
■ 18.6331, 8.3017,
91.0640

■ 17.5448, 7.1320,
90.8956

Harmonies

Analogous

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



75.8677, 80.4847, 102.9970



78.5071, 80.4847, 101.8398



80.6530, 80.4847, 96.7748

Triad

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



78.5071, 80.4847, 101.8398



79.6267, 80.4847, 76.4566



71.5317, 80.4847, 85.8357

Complementary

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



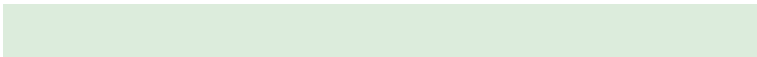
78.5071, 80.4847, 101.8398



87.5385, 94.2263, 88.4406

Split Complementary

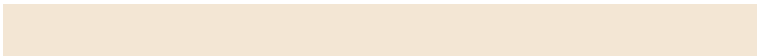
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4888, 80.4847, 79.0880



78.5071, 80.4847, 101.8398



77.1324, 80.4847, 73.8804

Square

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



78.5071, 80.4847, 101.8398



81.3098, 80.4847, 82.0536



74.5240, 80.4847, 74.8151



71.8805, 80.4847, 93.4622

Rectangle

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



78.5071, 80.4847, 101.8398



81.4945, 80.4847, 92.0140



74.5240, 80.4847, 74.8151



71.7106, 80.4847, 83.3955

Sweetspot

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



78.5095, 80.4881, 101.8416



91.6841, 95.8816, 108.2825



83.8697, 91.6847, 103.7202



19.6594, 20.5657, 23.1834



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.



78.5095, 80.4881, 101.8416



79.0889, 80.4865, 105.9748



81.7170, 82.1416, 101.9917



16.3630, 16.6843, 21.7433



9.2705, 3.7218, 48.2033



0.8859, 0.3588, 4.4657

Inverse Universe

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



84.8229, 83.7608, 101.3235



87.2439, 84.7142, 105.2921



84.1802, 92.4950, 88.2835



17.9535, 17.5088, 21.6108



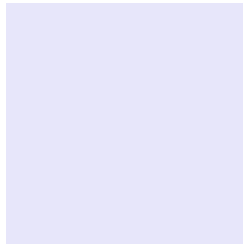
29.0787, 14.0472, 43.9843



2.7044, 1.3055, 4.1325

Previews

White Background



This preview shows how the XYZ color 78.5071, 80.4847, 101.8398 looks on a white background.

Color Contrast Check

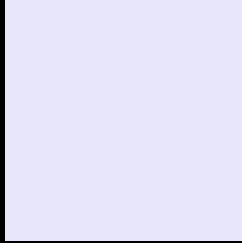
Large Text (above 18pt) WCAG AA × Fail

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 78.5071, 80.4847, 101.8398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

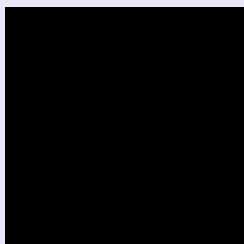
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.5071, 80.4847, 101.8398

Background



This preview shows how black text looks on a background with the XYZ color 78.5071, 80.4847, 101.8398.



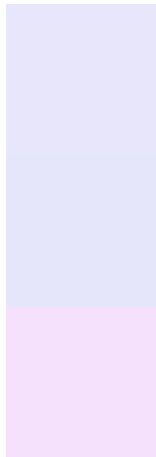
This preview shows how white text looks on a background with the XYZ color 78.5071, 80.4847,

101.8398.

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

78.5071, 80.4847, 101.8398

Protanopia

78.1853, 80.3188, 101.8247

Deuteranopia

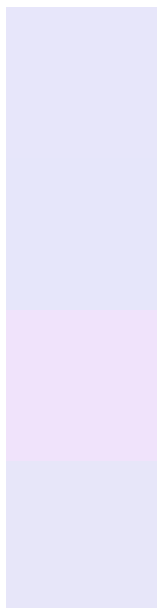
81.9940, 80.2279, 102.4308



Tritanopia

78.1951, 80.3599, 100.1966

Trichromacy



Original Color

78.5071, 80.4847, 101.8398

Protanomaly

78.1853, 80.3188, 101.8247

Deuteranomaly

80.8169, 80.4285, 102.5315

Tritanomaly

78.3507, 80.4221, 101.0160

Monochromacy



Original Color

78.5071, 80.4847, 101.8398

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.7153, 81.1010, 93.2194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5071, 80.4847, 101.8398 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, 230, 250)` looks like.

```
.text, #text, p{  
    color:rgb(231, 230, 250)  
}
```

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, 230, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 230, 250) }
```

Border

The CSS property to change the border of an element to XYZ 78.5071, 80.4847, 101.8398 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, 230, 250) }
```


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

```
.border{ border-color:rgb(231, 230, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 230, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 230, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 230, 250);  
box-shadow:4px 4px 4px 4px rgb(231, 230,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5071, 80.4847, 101.8398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 230, 250) }
```

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

```
.background{ background-color: rgb(231,  
230, 250) }
```

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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