

Converting Colors

XYZ(77.6076, 80.5213,
102.0779)

Have a look what the booklet for
XYZ(77.6076, 80.5213, 102.0779)
contains.

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Color

**XYZ(77.5098, 80.3848,
101.8731)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E7FA
RGB	227, 231, 250
RGB Percent	89%, 91%, 98%
CMY	0.1098, 0.0941, 0.0196
CMYK	0.09, 0.08, 0.00, 0.02
HSL	230°, 70%, 94%
HSV	230°, 9%, 98%
XYZ	77.5098, 80.3848, 101.8731
YIQ	231.9700, -8.4830, 5.0610

Conversions

Conversions Part 2

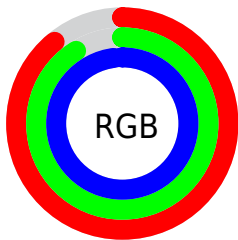
Format	Color
R_{YB}	227, 230, 250
Decimal	14936058
CIE _{Lab}	91.86, 2.23, -9.65
CIE _{LCh}	92, 9.907, 283.029
Yxy	80.3848, 0.2984, 0.3094
Android (android.graphics.Color)	4293126138 (0xFFE3E7FA)
YUV	231.9700, 8.8888, -4.3587
Hunter-Lab	89.6576, -2.5858, -4.6078

Details

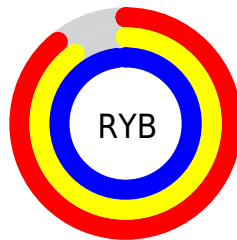
The XYZ color **77.5098, 80.3848, 101.8731** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.2457, 91.7811, 85.8446**, and the grayscale version is **76.6214, 80.6117, 87.7861**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0808, 43.3256, 57.1837** is the 20% darker color. If you saturate the color by 10%, you get **64.7479, 65.7283, 99.7180**, and if you desaturate by 10%, it is **92.1032, 97.0019, 104.3126**.

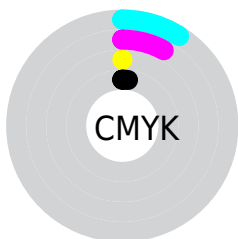
Distribution



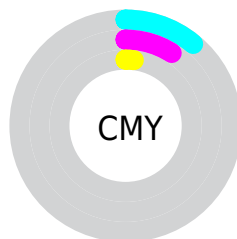
- Red (89%)
- Green (91%)
- Blue (98%)



- Red (89%)
- Yellow (90%)
- Blue (98%)



- Cyan (9%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5098, 80.3848, 101.8731 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 77.5098, 80.3848, 101.8731 by changing the saturation by 10% instead.

■ 77.5098, 80.3848,
101.8731

■ 77.5098, 80.3848,
101.8731

475.3658,
496.2287, 587.4793

■ 57.9728, 60.0351,
77.2402

128.8279,
133.9066, 165.8031

■ 42.0299, 43.4469,
56.9373

161.3397,
167.8475, 205.9374

■ 29.3159, 30.2359,
40.5459

198.9070,
207.0875, 252.0758

■ 19.4654, 20.0177,
27.6474

241.8954,
252.0110, 304.6369

■ 12.1131, 12.4079,
17.8233

290.6701,
303.0025, 364.0392

■ 6.8935, 7.0221,
10.6551

345.5965,

■ 3.4413, 3.4759,

360.4464, 430.7014

5.7242

407.0399,
424.7270, 505.0419

■ 1.3912, 1.3850,
2.6120

■ 0.2499, 0.2056,
0.8987

■ 77.5098, 80.3848,
101.8731

■ 77.5098, 80.3848,
101.8731

■ 64.7479, 65.7283,
99.7180

■ 92.1032, 97.0019,
104.3126

■ 53.7375, 52.9497,
97.8318

■ 94.2556, 99.6822,
104.7165

■ 44.4036, 41.9754,
96.2055

■ 36.6624, 32.7228,
94.8275

■ 30.4231, 25.1029,
93.6856

■ 25.5855, 19.0186,
92.7662

■ 22.0366, 14.3619,
92.0544

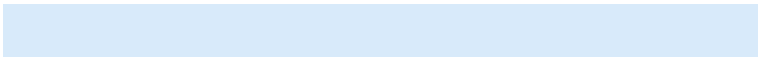
■ 19.6449, 11.0099,
91.5335

■ 18.2253, 8.8045,
91.1826

Harmonies

Analogous

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



74.9865, 80.3848, 101.5978



77.5098, 80.3848, 101.8731



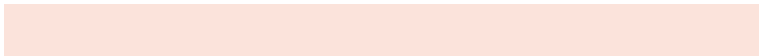
79.7850, 80.3848, 98.1543

Triad

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



77.5098, 80.3848, 101.8731



80.0297, 80.3848, 78.3230



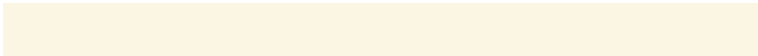
71.8263, 80.3848, 83.5056

Complementary

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



77.5098, 80.3848, 101.8731



86.2457, 91.7811, 85.8446

Split Complementary

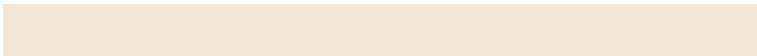
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.1187, 80.3848, 77.6929



77.5098, 80.3848, 101.8731



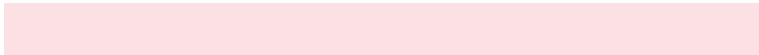
77.8379, 80.3848, 74.8164

Square

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



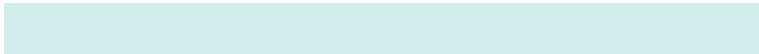
77.5098, 80.3848, 101.8731



81.2614, 80.3848, 84.4095



75.3075, 80.3848, 74.5923



71.7429, 80.3848, 90.7171

Rectangle

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



77.5098, 80.3848, 101.8731



80.8396, 80.3848, 94.0241



75.3075, 80.3848, 74.5923



72.1324, 80.3848, 81.3333

Sweetspot

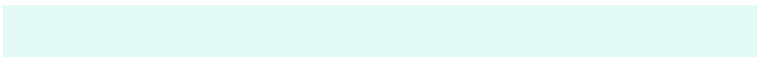
The Sweet Spot groups the original color and five complimentary colors.



77.5122, 80.3882, 101.8749



90.3086, 94.6124, 108.1100



82.4669, 91.3440, 100.3005



19.0649, 19.9496, 23.0958



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.



77.5122, 80.3882, 101.8749



78.5221, 81.1614, 106.1349



78.7507, 79.3824, 101.6155



16.5272, 17.1312, 21.8209



9.6923, 4.7401, 48.3776



0.9634, 0.5705, 4.5025

Inverse Universe

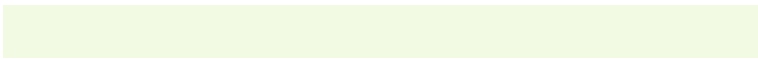
The Inverse Universe completely reimagines the original color for something new.



81.3191, 81.0335, 86.9602



83.2370, 81.9875, 87.6569



84.9166, 92.9230, 86.1350



17.3679, 17.2745, 18.5271



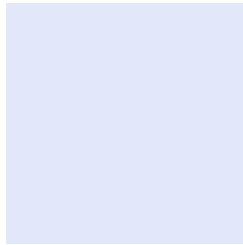
21.1842, 10.8894, 2.4126



1.9952, 1.0218, 0.3982

Previews

White Background



This preview shows how the XYZ color 77.5098, 80.3848, 101.8731 looks on a white background.

Color Contrast Check

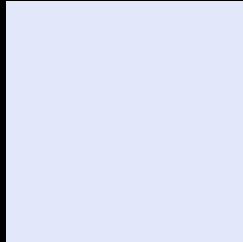
Large Text (above 18pt) WCAG AA × Fail

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 77.5098, 80.3848, 101.8731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

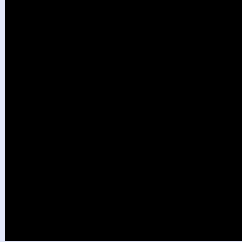
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.5098, 80.3848, 101.8731

Background



This preview shows how black text looks on a background with the XYZ color 77.5098, 80.3848, 101.8731.



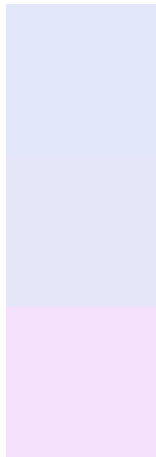
This preview shows how white text looks on a background with the XYZ color 77.5098, 80.3848,

101.8731.

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

77.5098, 80.3848, 101.8731

Protanopia

78.0288, 80.2562, 101.0010

Deuteranopia

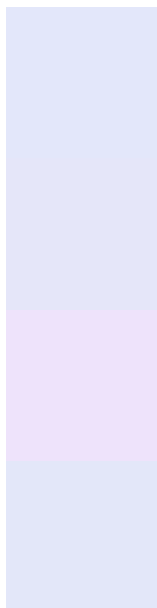
81.9940, 80.2279, 102.4308



Tritanopia

77.3534, 80.3223, 101.0493

Trichromacy



Original Color

77.5098, 80.3848, 101.8731

Protanomaly

77.7088, 80.0912, 100.9860

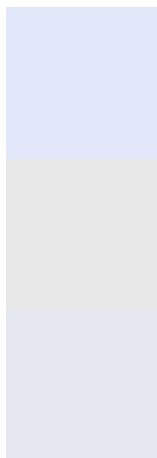
Deuteranomaly

80.1416, 80.0803, 102.4999

Tritanomaly

77.3534, 80.3223, 101.0493

Monochromacy



Original Color

77.5098, 80.3848, 101.8731

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.0697, 80.7682, 93.1892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5098, 80.3848, 101.8731 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(227, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(227, 231, 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(227, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 231, 250) }
```

Border

The CSS property to change the border of an element to XYZ 77.5098, 80.3848, 101.8731 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(227, 231, 250) }
```


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

```
.border{ border-color:rgb(227, 231, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 231, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(227, 231,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5098, 80.3848, 101.8731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 231, 250) }
```

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

```
.background{ background-color: rgb(227,  
231, 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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