

Converting Colors

XYZ(78.1498, 80.3549,
102.6935)

Have a look what the booklet for
XYZ(78.1498, 80.3549, 102.6935)
contains.

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Color

**XYZ(78.0225, 80.2167,
102.6379)**

Conversions

Conversions Part 1

Format	Color
Hex	E5E6FB
RGB	229, 230, 251
RGB Percent	90%, 90%, 98%
CMY	0.1020, 0.0980, 0.0157
CMYK	0.09, 0.08, 0.00, 0.02
HSL	237°, 73%, 94%
HSV	237°, 9%, 98%
XYZ	78.0225, 80.2167, 102.6379
YIQ	232.0950, -7.3370, 6.3190

Conversions

Conversions Part 2

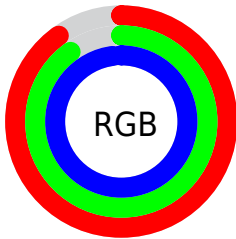
Format	Color
R _Y B	229, 230, 251
Decimal	15066875
CIE Lab	91.78, 3.59, -10.27
CIE LCh	92, 10.878, 289.246
Yxy	80.2167, 0.2991, 0.3075
Android (android.graphics.Color)	4293256955 (0xFFE5E6FB)
YUV	232.0950, 9.3202, -2.7143
Hunter-Lab	89.5638, -1.2383, -5.2502

Details

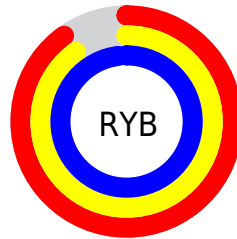
The XYZ color **78.0225, 80.2167, 102.6379** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.1124, 94.5368, 87.7336**, and the grayscale version is **76.7112, 80.7062, 87.8890**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3012, 43.4392, 57.1940** is the 20% darker color. If you saturate the color by 10%, you get **64.3711, 63.9553, 100.2199**, and if you desaturate by 10%, it is **93.7526, 98.9140, 105.4190**.

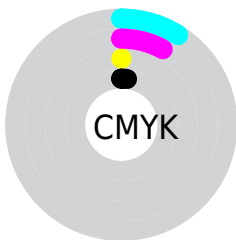
Distribution



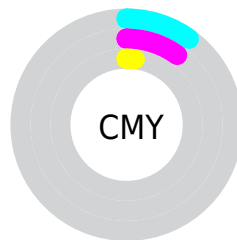
- Red (90%)
- Green (90%)
- Blue (98%)



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



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



- Cyan (10%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0225, 80.2167, 102.6379 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 78.0225, 80.2167, 102.6379 by changing the saturation by 10% instead.

■ 78.0225, 80.2167,
102.6379

■ 78.0225, 80.2167,
102.6379

477.0819,
495.6628, 589.9361

■ 58.3953, 59.8967,
77.8763

129.5470,
133.6704, 166.8610

■ 42.3710, 43.3354,
57.4565

162.1751,
167.5728, 207.1595

■ 29.5843, 30.1483,
40.9601

199.8675,
206.7715, 253.4740

■ 19.6698, 19.9512,
27.9684

242.9896,
251.6509, 306.2231

■ 12.2621, 12.3596,
18.0630

291.9067,
302.5953, 365.8253

■ 6.9959, 6.9891,
10.8253

346.9842,

■ 3.5058, 3.4553,

359.9892, 432.6992

5.8368

408.5875,
424.2169, 507.2633

■ 1.4266, 1.3738,
2.6789

■ 0.2750, 0.1973,
0.9328

■ 78.0225, 80.2167,
102.6379

■ 78.0225, 80.2167,
102.6379

■ 64.3711, 63.9553,
100.2199

■ 93.7526, 98.9140,
105.4190

■ 52.7047, 50.0199,
98.1450

■ 94.4128, 99.7451,
105.5446

■ 42.9331, 38.3071,
96.3992

■ 34.9562, 28.7021,
94.9657

■ 28.6646, 21.0796,
93.8260

■ 23.9373, 15.3011,
92.9598

■ 20.6368, 11.2101,
92.3441

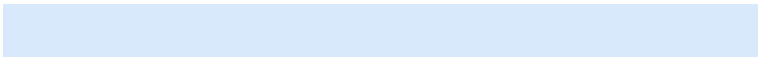
■ 18.6020, 8.6243,
91.9522

■ 17.6142, 7.3103,
91.7507

Harmonies

Analogous

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



75.2486, 80.2167, 103.2938



78.0225, 80.2167, 102.6379



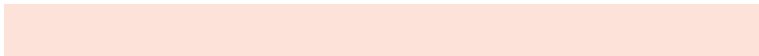
80.3728, 80.2167, 97.7426

Triad

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



78.0225, 80.2167, 102.6379



79.7934, 80.2167, 76.2313



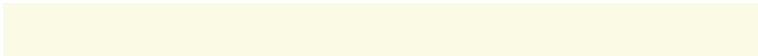
71.1022, 80.2167, 84.5115

Complementary

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



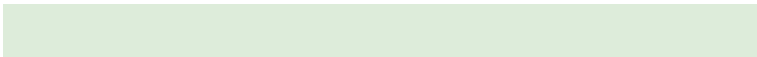
78.0225, 80.2167, 102.6379



88.1124, 94.5368, 87.7336

Split Complementary

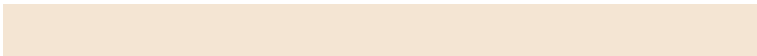
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.2582, 80.2167, 77.7074



78.0225, 80.2167, 102.6379



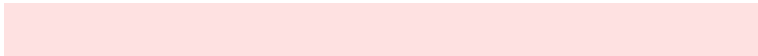
77.2473, 80.2167, 73.1239

Square

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



78.0225, 80.2167, 102.6379



81.4124, 80.2167, 82.3837



74.4919, 80.2167, 73.6473



71.2983, 80.2167, 92.4961

Rectangle

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



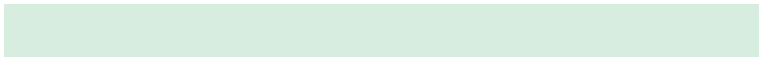
78.0225, 80.2167, 102.6379



81.3620, 80.2167, 92.8910



74.4919, 80.2167, 73.6473



71.3444, 80.2167, 82.0192

Sweetspot

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



78.0249, 80.2201, 102.6397



90.0062, 94.0076, 108.0092



84.0513, 92.5496, 103.7954



18.9837, 19.7871, 23.0687



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.



78.0249, 80.2201, 102.6397



77.5193, 79.1558, 105.8006



80.9961, 81.3385, 102.6989



16.3465, 16.7699, 21.7606



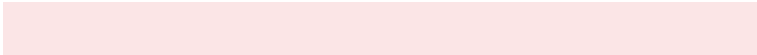
9.2462, 3.8479, 48.2289



0.8780, 0.3997, 4.4740

Inverse Universe

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



82.0877, 82.2627, 86.4187



82.7309, 81.7850, 84.9915



84.9511, 93.3712, 87.6753



17.2767, 17.2380, 18.0468



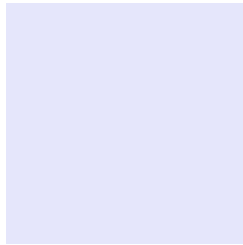
20.9591, 10.7993, 1.2269



1.9521, 1.0046, 0.1712

Previews

White Background



This preview shows how the XYZ color 78.0225, 80.2167, 102.6379 looks on a white background.

Color Contrast Check

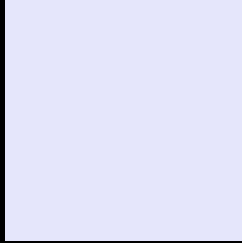
Large Text (above 18pt) WCAG AA × Fail

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 78.0225, 80.2167, 102.6379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

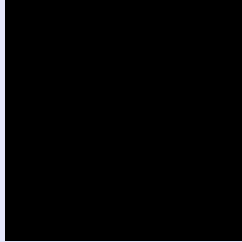
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.0225, 80.2167, 102.6379

Background



This preview shows how black text looks on a background with the XYZ color 78.0225, 80.2167, 102.6379.



This preview shows how white text looks on a background with the XYZ color 78.0225, 80.2167,

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

78.0225, 80.2167, 102.6379

Protanopia

78.3425, 80.3817, 102.6529

Deuteranopia

81.8041, 80.1118, 103.2470



Tritanopia

77.7088, 80.0912, 100.9860

Trichromacy



Original Color

78.0225, 80.2167, 102.6379

Protanomaly

78.3425, 80.3817, 102.6529

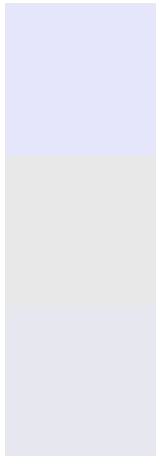
Deuteranomaly

80.6364, 80.3172, 103.3482

Tritanomaly

77.8652, 80.1538, 101.8098

Monochromacy



Original Color

78.0225, 80.2167, 102.6379

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.1109, 80.3727, 93.1107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0225, 80.2167, 102.6379 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(229, 230, 251)` looks like.

```
.text, #text, p{  
    color:rgb(229, 230, 251)  
}
```

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(229, 230, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 230, 251) }
```

Border

The CSS property to change the border of an element to XYZ 78.0225, 80.2167, 102.6379 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(229, 230, 251) }
```


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

```
.border{ border-color:rgb(229, 230, 251) }
```

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

Here you see how a box with a 4 pixel rgb(229, 230, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 230, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 230, 251);  
box-shadow:4px 4px 4px 4px rgb(229, 230,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0225, 80.2167, 102.6379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 230, 251) }
```

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

```
.background{ background-color: rgb(229,  
230, 251) }
```

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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