

Converting Colors

XYZ(81.3308, 79.1335,
112.1227)

Have a look what the booklet for
XYZ(81.3308, 79.1335, 112.1227)
contains.

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Color

**XYZ(80.3023, 78.8820,
105.6011)**

Conversions

Conversions Part 1

Format	Color
Hex	EFE0FF
RGB	239, 224, 255
RGB Percent	94%, 88%, 100%
CMY	0.0627, 0.1215, 0.0000
CMYK	0.06, 0.12, 0.00, 0.00
HSL	269°, 100%, 94%
HSV	269°, 12%, 100%
XYZ	80.3023, 78.8820, 105.6011
YIQ	232.0190, -1.0110, 12.8210

Conversions

Conversions Part 2

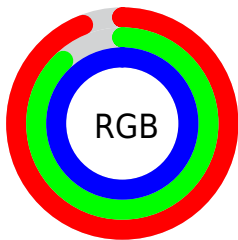
Format	Color
R_{YB}	239, 224, 255
Decimal	15720703
CIE _{Lab}	91.18, 10.69, -13.18
CIE _{LCh}	91, 16.968, 309.062
Yxy	78.8820, 0.3033, 0.2979
Android (android.graphics.Color)	4293910783 (0xFFEFE0FF)
YUV	232.0190, 11.3296, 6.1223
Hunter-Lab	88.8155, 5.9630, -8.3245

Details

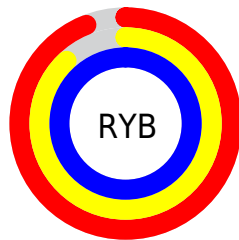
The XYZ color **80.3023, 78.8820, 105.6011** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.1515, 95.4279, 84.4562**, and the grayscale version is **76.6363, 80.6274, 87.8032**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9094, 42.5204, 59.3191** is the 20% darker color. If you saturate the color by 10%, you get **69.6738, 63.9825, 103.2854**, and if you desaturate by 10%, it is **92.2864, 96.0102, 108.2756**.

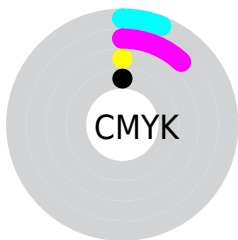
Distribution



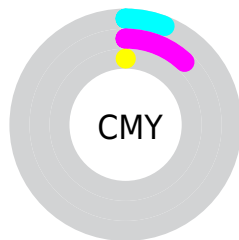
- Red (94%)
- Green (88%)
- Blue (100%)



- Red (94%)
- Yellow (88%)
- Blue (100%)



- Cyan (6%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3023, 78.8820, 105.6011 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 80.3023, 78.8820, 105.6011 by changing the saturation by 10% instead.


 80.3023, 78.8820,
105.6011

 80.3023, 78.8820,
105.6011


484.6721,
491.1571, 599.4043

 60.2765, 58.7988,
80.3436


132.7390,
131.7927, 170.9521

 43.8918, 42.4512,
59.4733


165.8805,
165.3890, 211.8826

 30.7830, 29.4547,
42.5717


204.1247,
204.2585, 258.8745

 20.5847, 19.4251,
29.2203

247.8368,
248.7855, 312.3464

 12.9315, 11.9778,
19.0005

297.3822,
299.3545, 372.7168

 7.4581, 6.7286,
11.4938

353.1263,

 3.7990, 3.2929,

356.3498, 440.4042

6.2817

415.4345,
420.1559, 515.8272

■ 1.5891, 1.2865,
2.9456

■ 0.3853, 0.1307,
1.0669

■ 80.3023, 78.8820,
105.6011

■ 80.3023, 78.8820,
105.6011

■ 69.6738, 63.9825,
103.2854

■ 92.2864, 96.0102,
108.2756

■ 60.3420, 51.2073,
101.3114

95.0500, 100.0000,
108.9000

■ 52.2531, 40.4579,
99.6629

■ 45.3463, 31.6240,
98.3218

■ 39.5555, 24.5846,
97.2682

■ 34.8071, 19.2040,
96.4799

■ 31.0171, 15.3266,
95.9313

■ 28.0853, 12.7649,
95.5914

■ 26.2732, 11.4592,
95.4348

Harmonies

Analogous

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



76.2836, 78.8820, 111.4362



80.3023, 78.8820, 105.6011



82.9585, 78.8820, 94.6247

Triad

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



80.3023, 78.8820, 105.6011



77.9662, 78.8820, 65.6326



67.1091, 78.8820, 89.6696

Complementary

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



80.3023, 78.8820, 105.6011



85.1515, 95.4279, 84.4562

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.



67.5209, 78.8820, 77.7084



80.3023, 78.8820, 105.6011



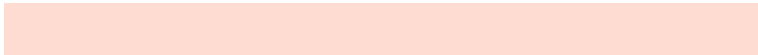
73.6814, 78.8820, 64.5792

Square

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



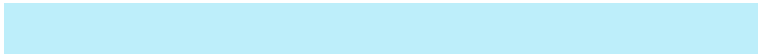
80.3023, 78.8820, 105.6011



81.5743, 78.8820, 71.8258



69.8886, 78.8820, 68.7967



68.7415, 78.8820, 101.6777

Rectangle

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



80.3023, 78.8820, 105.6011



83.5422, 78.8820, 86.2772



69.8886, 78.8820, 68.7967



67.0144, 78.8820, 85.5022

Sweetspot

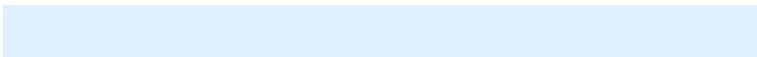
The Sweet Spot groups the original color and five complimentary colors.



80.3044, 78.8853, 105.6016



89.9715, 92.6790, 107.7546



79.9579, 85.3996, 106.8773



19.0585, 19.5512, 23.0192



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.



80.3044, 78.8853, 105.6016



77.1445, 74.4229, 104.9069



85.7573, 81.6963, 105.8568



17.8395, 17.8090, 22.7472



13.8990, 6.0757, 49.8747



1.4787, 0.6562, 4.8620

Inverse Universe

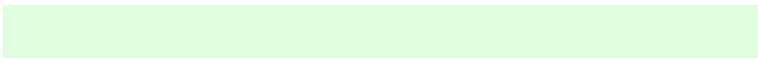
The Inverse Universe completely reimagines the original color for something new.



83.6257, 80.8656, 93.6416



81.2005, 76.8417, 90.2849



80.1177, 92.8329, 84.2207



18.4008, 18.1436, 20.7280



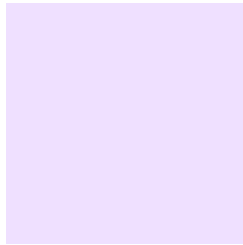
23.7872, 12.0042, 12.7959



2.3713, 1.1909, 1.5367

Previews

White Background



This preview shows how the XYZ color 80.3023, 78.8820, 105.6011 looks on a white background.

Color Contrast Check

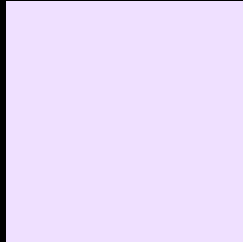
Large Text (above 18pt) WCAG AA × Fail

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 80.3023, 78.8820, 105.6011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

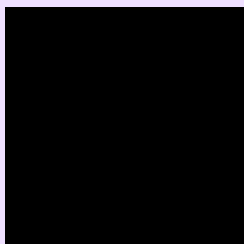
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.3023, 78.8820, 105.6011

Background



This preview shows how black text looks on a background with the XYZ color 80.3023, 78.8820, 105.6011.

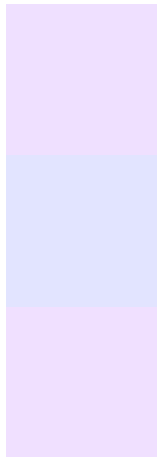


This preview shows how white text looks on a background with the XYZ color 80.3023, 78.8820,

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

80.3023, 78.8820, 105.6011

Protanopia

77.1574, 78.8756, 105.7656

Deuteranopia

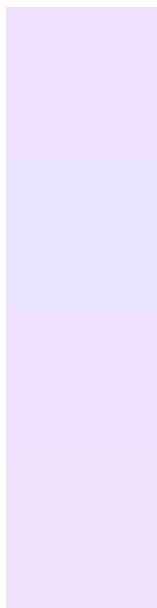
80.6408, 79.0566, 105.6170



Tritanopia

78.4505, 78.9289, 96.6880

Trichromacy



Original Color

80.3023, 78.8820, 105.6011

Protanomaly

78.4741, 79.1471, 105.7486

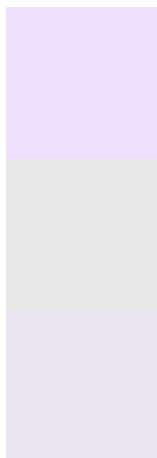
Deuteranomaly

80.6408, 79.0566, 105.6170

Tritanomaly

79.1284, 78.8049, 99.8473

Monochromacy



Original Color

80.3023, 78.8820, 105.6011

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

78.0084, 79.9921, 93.7666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3023, 78.8820, 105.6011 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(239, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 224, 255)  
}
```

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(239, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.3023, 78.8820, 105.6011 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(239, 224, 255) }
```


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

```
.border{ border-color:rgb(239, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3023, 78.8820, 105.6011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 224, 255) }
```

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

```
.background{ background-color: rgb(239,  
224, 255) }
```

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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