

Converting Colors

XYZ(83.7195, 80.3239,
120.4416)

Have a look what the booklet for
XYZ(83.7195, 80.3239, 120.4416)
contains.

XYZ(80.9813, 79.2321, 105.6329)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.9813, 79.2321,
105.6329)**

Conversions

Conversions Part 1

Format	Color
Hex	F1E0FF
RGB	241, 224, 255
RGB Percent	95%, 88%, 100%
CMY	0.0549, 0.1215, 0.0000
CMYK	0.05, 0.12, 0.00, 0.00
HSL	273°, 100%, 94%
HSV	273°, 12%, 100%
XYZ	80.9813, 79.2321, 105.6329
YIQ	232.6170, 0.1810, 13.2450

Conversions

Conversions Part 2

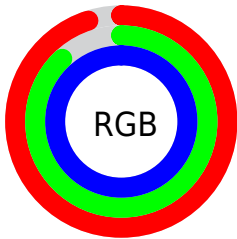
Format	Color
RYB	241, 224, 255
Decimal	15851775
CIELab	91.34, 11.34, -12.92
CIElCh	91, 17.192, 311.266
Yxy	79.2321, 0.3046, 0.2980
Android (android.graphics.Color)	4294041855 (0xFFFF1E0FF)
YUV	232.6170, 11.0348, 7.3519
Hunter-Lab	89.0124, 6.6232, -8.0520

Details

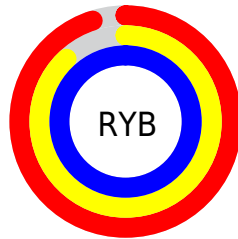
The XYZ color **80.9813, 79.2321, 105.6329** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.4764, 95.0799, 84.4248**, and the grayscale version is **77.0858, 81.1003, 88.3182**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3886, 42.7674, 59.3415** is the 20% darker color. If you saturate the color by 10%, you get **70.8280, 64.5776, 103.3394**, and if you desaturate by 10%, it is **92.4151, 96.0767, 108.2816**.

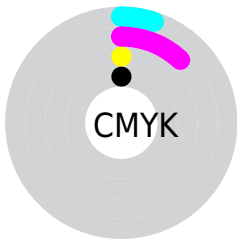
Distribution



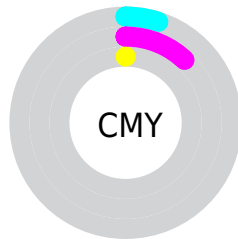
- Red (95%)
- Green (88%)
- Blue (100%)



- Red (95%)
- Yellow (88%)
- Blue (100%)



- Cyan (5%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9813, 79.2321, 105.6329 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 80.9813, 79.2321, 105.6329 by changing the saturation by 10% instead.


 80.9813, 79.2321,
105.6329

 80.9813, 79.2321,
105.6329


486.9201,
492.3412, 599.5055

 60.8374, 59.0867,
80.3701


133.6878,
132.2856, 170.9959

 44.3460, 42.6829,
59.4950


166.9812,
165.9624, 211.9332

 31.1417, 29.6364,
42.5891


205.3884,
204.9184, 258.9323

 20.8591, 19.5628,
29.2338

249.2748,
249.5381, 312.4119

 13.1329, 12.0776,
19.0107

299.0059,
300.2058, 372.7905

 7.5978, 6.7966,
11.5011

354.9469,

 3.8883, 3.3352,

357.3060, 440.4866

6.2866

417.4631,
421.2230, 515.9187

■ 1.6391, 1.3091,
2.9485

■ 0.4177, 0.1483,
1.0684

■ 80.9813, 79.2321,
105.6329

■ 80.9813, 79.2321,
105.6329

■ 70.8280, 64.5776,
103.3394

■ 92.4151, 96.0767,
108.2816

■ 61.8987, 52.0099,
101.3842

95.0500, 100.0000,
108.9000

■ 54.1418, 41.4316,
99.7513

■ 47.4993, 32.7340,
98.4225

■ 41.9074, 25.7970,
97.3783

■ 37.2955, 20.4868,
96.5964

■ 33.5823, 16.6490,
96.0513

■ 30.6709, 14.0978,
95.7124

■ 28.8373, 12.7811,
95.5548

Harmonies

Analogous

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



76.9596, 79.2321, 112.0624



80.9813, 79.2321, 105.6329



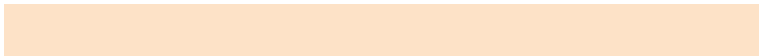
83.5408, 79.2321, 94.2248

Triad

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



80.9813, 79.2321, 105.6329



78.0363, 79.2321, 65.4463



67.3711, 79.2321, 91.0528

Complementary

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



80.9813, 79.2321, 105.6329



84.4764, 95.0799, 84.4248

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.



67.6342, 79.2321, 78.7765



80.9813, 79.2321, 105.6329



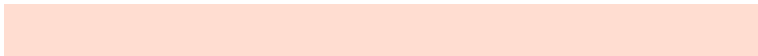
73.6796, 79.2321, 64.7744

Square

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



80.9813, 79.2321, 105.6329



81.7956, 79.2321, 71.3651



69.9056, 79.2321, 69.4313



69.1723, 79.2321, 103.1185

Rectangle

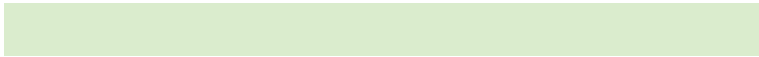
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9813, 79.2321, 105.6329



84.0161, 79.2321, 85.7404



69.9056, 79.2321, 69.4313



67.2229, 79.2321, 86.8024

Sweetspot

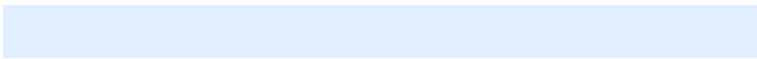
The Sweet Spot groups the original color and five complimentary colors.



80.9834, 79.2354, 105.6334



90.2074, 92.8006, 107.7656



79.5036, 84.4911, 106.7259



19.1182, 19.5820, 23.0220



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.



80.9834, 79.2354, 105.6334



77.9661, 74.8465, 104.9453



85.7812, 81.7279, 104.9920



17.9552, 17.8686, 22.7526



15.2426, 6.7683, 49.9376



1.6100, 0.7239, 4.8681

Inverse Universe

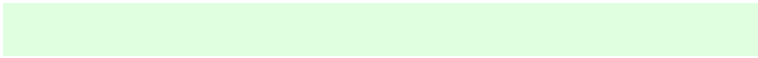
The Inverse Universe completely reimagines the original color for something new.



83.3303, 80.7475, 92.0855



80.8433, 76.6989, 88.4041



80.0981, 92.8065, 84.9536



18.3504, 18.1235, 20.4625



23.2436, 11.7867, 9.9334



2.3173, 1.1693, 1.2525

Previews

White Background



This preview shows how the XYZ color 80.9813, 79.2321, 105.6329 looks on a white background.

Color Contrast Check

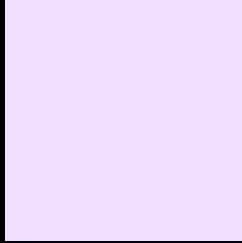
Large Text (above 18pt) WCAG AA × Fail

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 80.9813, 79.2321, 105.6329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

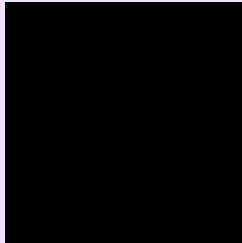
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9813, 79.2321, 105.6329

Background



This preview shows how black text looks on a background with the XYZ color 80.9813, 79.2321, 105.6329.



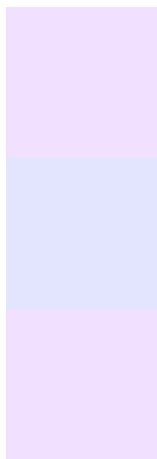
This preview shows how white text looks on a background with the XYZ color 80.9813, 79.2321,

105.6329.

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

80.9813, 79.2321, 105.6329

Protanopia

77.7479, 79.5895, 105.8723

Deuteranopia

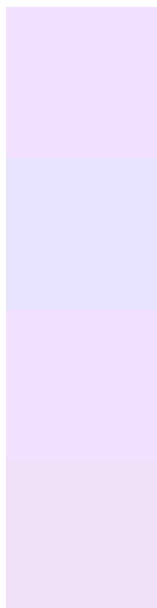
80.9813, 79.2321, 105.6329



Tritanopia

79.1221, 79.2751, 96.7194

Trichromacy



Original Color

80.9813, 79.2321, 105.6329

Protanomaly

78.7978, 79.3140, 105.7638

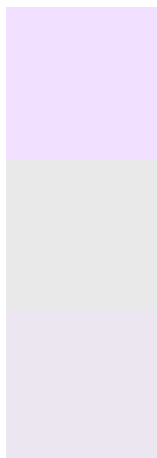
Deuteranomaly

80.9813, 79.2321, 105.6329

Tritanomaly

79.8037, 79.1530, 99.8789

Monochromacy



Original Color

80.9813, 79.2321, 105.6329

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

78.7661, 80.7774, 94.6593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9813, 79.2321, 105.6329 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(241, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.9813, 79.2321, 105.6329 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(241, 224, 255) }
```


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

```
.border{ border-color:rgb(241, 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(241, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9813, 79.2321, 105.6329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 224, 255) }
```

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

```
.background{ background-color: rgb(241,  
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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