

Converting Colors

XYZ(80.2392, 80.0368,
105.8273)

Have a look what the booklet for
XYZ(80.2392, 80.0368, 105.8273)
contains.

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Color

**XYZ(80.1112, 79.9910,
105.8252)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE3FF
RGB	236, 227, 255
RGB Percent	93%, 89%, 100%
CMY	0.0745, 0.1098, 0.0000
CMYK	0.07, 0.11, 0.00, 0.00
HSL	259°, 100%, 95%
HSV	259°, 11%, 100%
XYZ	80.1112, 79.9910, 105.8252
YIQ	232.8830, -3.6240, 10.6160

Conversions

Conversions Part 2

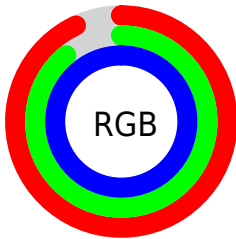
Format	Color
R _Y B	236, 227, 255
Decimal	15524863
CIE Lab	91.68, 8.16, -12.45
CIE LCh	92, 14.890, 303.243
Yxy	79.9910, 0.3013, 0.3008
Android (android.graphics.Color)	4293714943 (0xFFECE3FF)
YUV	232.8830, 10.9037, 2.7336
Hunter-Lab	89.4377, 3.3702, -7.5472

Details

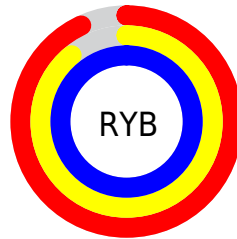
The XYZ color **80.1112, 79.9910, 105.8252** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.6329, 96.6597, 86.7153**, and the grayscale version is **77.2886, 81.3136, 88.5505**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7680, 43.2856, 59.4742** is the 20% darker color. If you saturate the color by 10%, you get **68.1771, 64.2424, 103.4145**, and if you desaturate by 10%, it is **93.6392, 98.0989, 108.6074**.

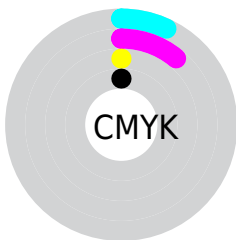
Distribution



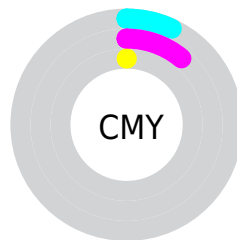
- Red (93%)
- Green (89%)
- Blue (100%)



- Red (93%)
- Yellow (89%)
- Blue (100%)



- Cyan (7%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1112, 79.9910, 105.8252 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 80.1112, 79.9910, 105.8252 by changing the saturation by 10% instead.

80.1112, 79.9910,
105.8252

80.1112, 79.9910,
105.8252

484.0383,
494.9025, 600.1172

60.1186, 59.7109,
80.5303

132.4718,
133.3531, 171.2610

43.7641, 43.1857,
59.6261

165.5705,
167.2039, 212.2390

30.6822, 30.0308,
42.6940

203.7686,
206.3471, 259.2819

20.5076, 19.8620,
29.3155

247.4316,
251.1670, 312.8081

12.8750, 12.2948,
19.0720

296.9247,
302.0482, 373.2362

7.4189, 6.9448,
11.5450

352.6132,

3.7741, 3.4276,

359.3749, 440.9847

6.3159

414.8627,
423.5315, 516.4722

■ 1.5751, 1.3588,
2.9662

■ 0.3761, 0.1861,
1.0774

■ 80.1112, 79.9910,
105.8252

■ 80.1112, 79.9910,
105.8252

■ 68.1771, 64.2424,
103.4145

■ 93.6392, 98.0989,
108.6074

■ 57.7695, 50.7447,
101.3577

■ 95.0500, 100.0000,
108.9000

■ 48.8254, 39.3955,
99.6385

■ 41.2749, 30.0805,
98.2384

■ 35.0418, 22.6744,
97.1374

■ 30.0421, 17.0378,
96.3130

■ 26.1808, 13.0114,
95.7393

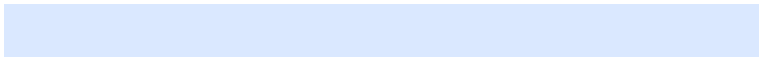
■ 23.3466, 10.4055,
95.3857

■ 21.5256, 9.0117,
95.2127

Harmonies

Analogous

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



76.4437, 79.9910, 109.7391



80.1112, 79.9910, 105.8252



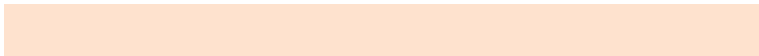
82.7517, 79.9910, 96.8760

Triad

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



80.1112, 79.9910, 105.8252



79.3712, 79.9910, 69.6926



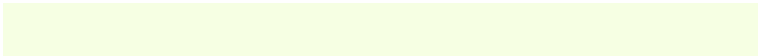
68.9550, 79.9910, 88.2874

Complementary

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



80.1112, 79.9910, 105.8252



87.6329, 96.6597, 86.7153

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.



69.6807, 79.9910, 77.9985



80.1112, 79.9910, 105.8252



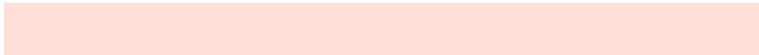
75.6159, 79.9910, 67.8048

Square

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



80.1112, 79.9910, 105.8252



82.3145, 79.9910, 76.1065



72.0880, 79.9910, 70.7193



70.0720, 79.9910, 99.0968

Rectangle

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



80.1112, 79.9910, 105.8252



83.5294, 79.9910, 89.5857



72.0880, 79.9910, 70.7193



68.9917, 79.9910, 84.6540

Sweetspot

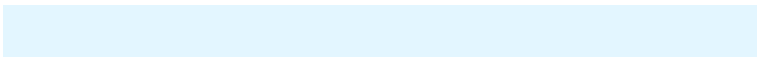
The Sweet Spot groups the original color and five complimentary colors.



80.1133, 79.9943, 105.8258



90.7737, 94.2444, 108.0145



82.7270, 89.5454, 107.5316



19.1900, 19.8509, 23.0701



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.



80.1133, 79.9943, 105.8258



77.5740, 76.6232, 105.3089



84.8974, 82.4606, 106.0496



17.5526, 17.6611, 22.7338



11.3847, 4.7795, 49.7571



1.2168, 0.5212, 4.8497

Inverse Universe

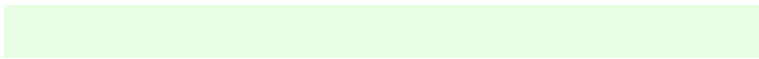
The Inverse Universe completely reimagines the original color for something new.



85.3455, 82.8550, 98.6856



83.7032, 79.9756, 96.8890



82.9493, 94.2452, 86.4961



18.5297, 18.1952, 21.4066



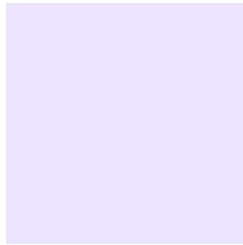
25.5637, 12.7148, 22.1505



2.5390, 1.2580, 2.4198

Previews

White Background



This preview shows how the XYZ color 80.1112, 79.9910, 105.8252 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 80.1112, 79.9910, 105.8252 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 80.1112, 79.9910, 105.8252

Background



This preview shows how black text looks on a background with the XYZ color 80.1112, 79.9910, 105.8252.



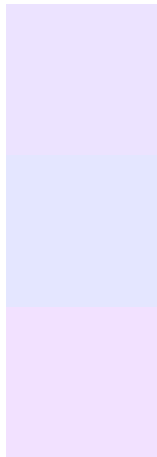
This preview shows how white text looks on a background with the XYZ color 80.1112, 79.9910,

105.8252.

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

80.1112, 79.9910, 105.8252

Protanopia

78.3417, 80.3076, 105.9796

Deuteranopia

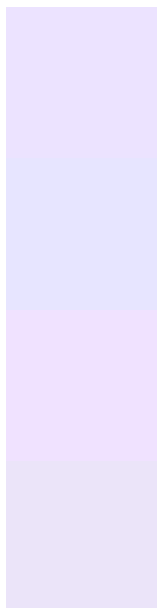
81.5932, 79.9477, 105.7388



Tritanopia

78.6389, 79.8028, 98.4475

Trichromacy



Original Color

80.1112, 79.9910, 105.8252

Protanomaly

79.0243, 80.2475, 105.9320

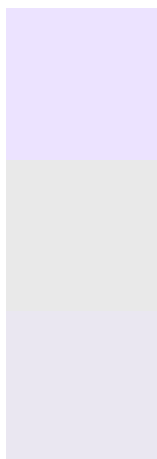
Deuteranomaly

81.1815, 80.1380, 105.7972

Tritanomaly

79.1032, 79.9885, 100.8927

Monochromacy



Original Color

80.1112, 79.9910, 105.8252

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

78.3848, 80.9951, 94.7214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1112, 79.9910, 105.8252 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(236, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 227, 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(236, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.1112, 79.9910, 105.8252 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(236, 227, 255) }
```


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

```
.border{ border-color:rgb(236, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1112, 79.9910, 105.8252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 227, 255) }
```

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

```
.background{ background-color: rgb(236,  
227, 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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