

Converting Colors

XYZ(85.6796, 81.6086,
134.5961)

Have a look what the booklet for
XYZ(85.6796, 81.6086, 134.5961)
contains.

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Color

**XYZ(80.2351, 79.2476,
105.6752)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE1FF
RGB	238, 225, 255
RGB Percent	93%, 88%, 100%
CMY	0.0667, 0.1176, 0.0000
CMYK	0.07, 0.12, 0.00, 0.00
HSL	266°, 100%, 94%
HSV	266°, 12%, 100%
XYZ	80.2351, 79.2476, 105.6752
YIQ	232.3070, -1.8820, 12.0860

Conversions

Conversions Part 2

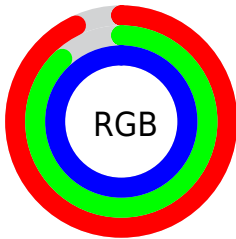
Format	Color
R _Y B	238, 225, 255
Decimal	15655423
CIE Lab	91.35, 9.85, -12.94
CIE LCh	91, 16.259, 307.281
Yxy	79.2476, 0.3026, 0.2989
Android (android.graphics.Color)	4293845503 (0xFFEEE1FF)
YUV	232.3070, 11.1876, 4.9928
Hunter-Lab	89.0211, 5.0958, -8.0672

Details

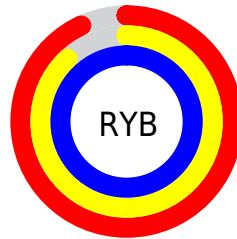
The XYZ color **80.2351, 79.2476, 105.6752** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.9705, 95.8344, 85.2049**, and the grayscale version is **76.8534, 80.8558, 88.0519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8592, 42.7718, 59.3702** is the 20% darker color. If you saturate the color by 10%, you get **69.1914, 64.0755, 103.3288**, and if you desaturate by 10%, it is **92.7020, 96.6859, 108.3841**.

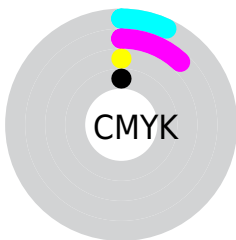
Distribution



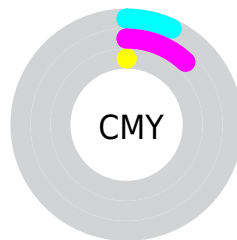
- Red (93%)
- Green (88%)
- Blue (100%)



- Red (93%)
- Yellow (88%)
- Blue (100%)



- Cyan (7%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2351, 79.2476, 105.6752 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 80.2351, 79.2476, 105.6752 by changing the saturation by 10% instead.

80.2351, 79.2476,
105.6752

80.2351, 79.2476,
105.6752

484.4493,
492.3936, 599.6401

60.2210, 59.0994,
80.4053

132.6450,
132.3074, 171.0542

43.8469, 42.6931,
59.5238

165.7715,
165.9877, 212.0005

30.7476, 29.6444,
42.6122

203.9995,
204.9476, 259.0092

20.5576, 19.5689,
29.2518

247.6943,
249.5714, 312.4991

12.9116, 12.0820,
19.0242

297.2213,
300.2435, 372.8886

7.4443, 6.7996,
11.5107

352.9459,

3.7903, 3.3371,

357.3483, 440.5962

6.2930

415.2335,
421.2702, 516.0405

■ 1.5842, 1.3101,
2.9524

■ 0.3821, 0.1490,
1.0704

■ 80.2351, 79.2476,
105.6752

■ 80.2351, 79.2476,
105.6752

■ 69.1914, 64.0755,
103.3288

■ 92.7020, 96.6859,
108.3841

■ 59.5099, 51.0641,
101.3276

95.0500, 100.0000,
108.9000

■ 51.1344, 40.1141,
99.6555

■ 44.0021, 31.1143,
98.2942

■ 38.0444, 23.9427,
97.2240

■ 33.1852, 18.4631,
96.4224

■ 29.3379, 14.5190,
95.8639

■ 26.4001, 11.9229,
95.5176

■ 24.5415, 10.5665,
95.3538

Harmonies

Analogous

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



76.3332, 79.2476, 110.8666



80.2351, 79.2476, 105.6752



82.8865, 79.2476, 95.3712

Triad

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



80.2351, 79.2476, 105.6752



78.4309, 79.2476, 66.9652



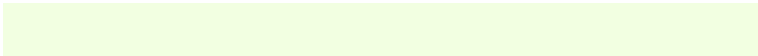
67.7176, 79.2476, 89.2012

Complementary

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



80.2351, 79.2476, 105.6752



85.9705, 95.8344, 85.2049

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.



68.2332, 79.2476, 77.7991



80.2351, 79.2476, 105.6752



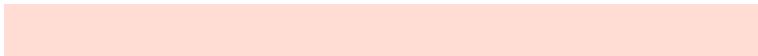
74.3207, 79.2476, 65.6388

Square

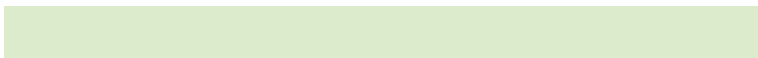
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2351, 79.2476, 105.6752



81.8186, 79.2476, 73.2329



70.6146, 79.2476, 69.4286



69.1796, 79.2476, 100.8073

Rectangle

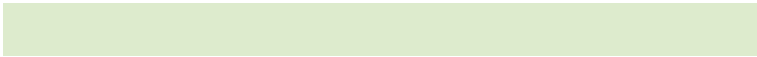
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2351, 79.2476, 105.6752



83.5354, 79.2476, 87.3705



70.6146, 79.2476, 69.4286



67.6663, 79.2476, 85.2128

Sweetspot

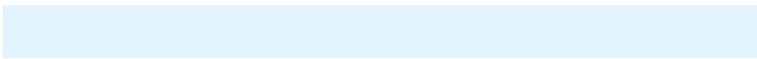
The Sweet Spot groups the original color and five complimentary colors.



80.2372, 79.2509, 105.6757



89.7872, 92.5840, 107.7459



81.0049, 87.0321, 107.1372



19.0119, 19.5272, 23.0170



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.



80.2372, 79.2509, 105.6757



77.6444, 75.6625, 105.1198



85.3031, 81.8624, 105.9128



17.7496, 17.7626, 22.7430



12.9871, 5.6056, 49.8321



1.3869, 0.6089, 4.8577

Inverse Universe

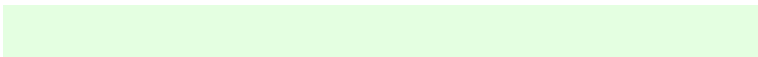
The Inverse Universe completely reimagines the original color for something new.



84.1943, 81.5244, 95.3055



82.3085, 78.3432, 92.8572



81.1895, 93.3697, 84.9811



18.4407, 18.1596, 20.9376



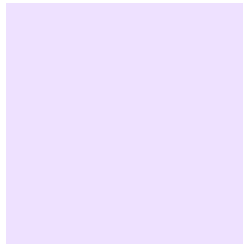
24.2760, 12.1997, 15.3697



2.4185, 1.2098, 1.7853

Previews

White Background



This preview shows how the XYZ color 80.2351, 79.2476, 105.6752 looks on a white background.

Color Contrast Check

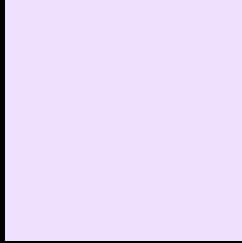
Large Text (above 18pt) WCAG AA × Fail

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 80.2351, 79.2476, 105.6752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

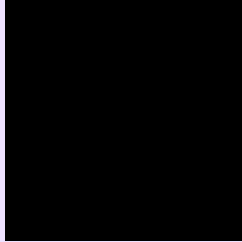
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2351, 79.2476, 105.6752

Background



This preview shows how black text looks on a background with the XYZ color 80.2351, 79.2476, 105.6752.



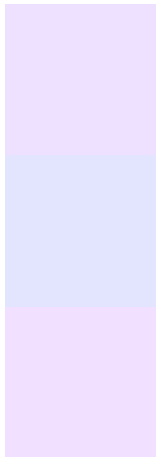
This preview shows how white text looks on a background with the XYZ color 80.2351, 79.2476,

105.6752.

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

80.2351, 79.2476, 105.6752

Protanopia

77.7479, 79.5895, 105.8723

Deuteranopia

80.9813, 79.2321, 105.6329



Tritanopia

78.5426, 79.3636, 97.5653

Trichromacy



Original Color

80.2351, 79.2476, 105.6752

Protanomaly

78.7484, 79.6957, 105.8401

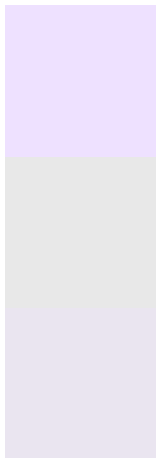
Deuteranomaly

80.6408, 79.0566, 105.6170

Tritanomaly

79.2203, 79.2368, 100.7414

Monochromacy



Original Color

80.2351, 79.2476, 105.6752

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.6792, 79.8223, 93.7512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2351, 79.2476, 105.6752 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(238, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 225, 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(238, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.2351, 79.2476, 105.6752 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(238, 225, 255) }
```


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

```
.border{ border-color:rgb(238, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2351, 79.2476, 105.6752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 225, 255) }
```

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

```
.background{ background-color: rgb(238,  
225, 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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