

Converting Colors

XYZ(80.8806, 82.4684,
106.2629)

Have a look what the booklet for
XYZ(80.8806, 82.4684, 106.2629)
contains.

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Color

**XYZ(80.8383, 82.4257,
106.2568)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE8FF
RGB	234, 232, 255
RGB Percent	92%, 91%, 100%
CMY	0.0823, 0.0902, 0.0000
CMYK	0.08, 0.09, 0.00, 0.00
HSL	245°, 100%, 95%
HSV	245°, 9%, 100%
XYZ	80.8383, 82.4257, 106.2568
YIQ	235.2200, -6.1910, 7.5770

Conversions

Conversions Part 2

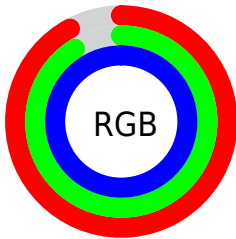
Format	Color
R_{YB}	234, 232, 255
Decimal	15395071
CIE Lab	92.76, 4.93, -10.86
CIE LCh	93, 11.922, 294.399
Yxy	82.4257, 0.2999, 0.3058
Android (android.graphics.Color)	4293585151 (0xFFEAE8FF)
YUV	235.2200, 9.7515, -1.0699
Hunter-Lab	90.7886, 0.0566, -5.8396

Details

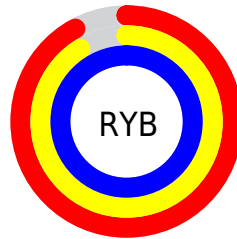
The XYZ color **80.8383, 82.4257, 106.2568** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.8356, 98.2298, 90.5207**, and the grayscale version is **79.0666, 83.1842, 90.5876**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0785, 44.5929, 59.7102** is the 20% darker color. If you saturate the color by 10%, you get **67.0259, 65.4134, 103.7011**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

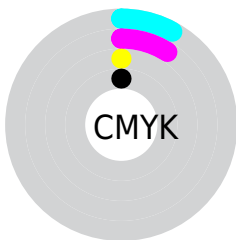
Distribution



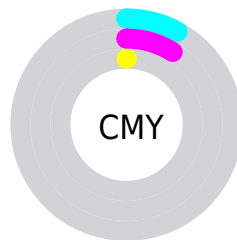
- Red (92%)
- Green (91%)
- Blue (100%)



- Red (92%)
- Yellow (91%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8383, 82.4257, 106.2568 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 80.8383, 82.4257, 106.2568 by changing the saturation by 10% instead.

80.8383, 82.4257,
106.2568

80.8383, 82.4257,
106.2568

486.4471,
503.0705, 601.4888

60.7193, 61.7165,
80.8901

133.4880,
136.7708, 171.8558

44.2503, 44.8037,
59.9207

166.7495,
171.1755, 212.9252

31.0661, 31.3028,
42.9298

205.1224,
210.9142, 260.0660

20.8013, 20.8295,
29.4990

248.9722,
256.3712, 313.6967

13.0904, 12.9995,
19.2098

298.6642,
307.9309, 374.2357

7.5683, 7.4282,
11.6437

354.5638,

3.8694, 3.7313,

365.9778, 442.1018

6.3819

417.0363,
430.8962, 517.7133

■ 1.6285, 1.5244,
3.0062

■ 0.4109, 0.3058,
1.0978

■ 80.8383, 82.4257,
106.2568

■ 80.8383, 82.4257,
106.2568

■ 67.0259, 65.4134,
103.7011

95.0500, 100.0000,
108.9000

■ 55.1739, 50.8891,
101.5223

■ 45.1953, 38.7392,
99.7031

■ 36.9938, 28.8370,
98.2241

■ 30.4646, 21.0444,
97.0641

■ 25.4919, 15.2076,
96.1995

■ 21.9448, 11.1521,
95.6037

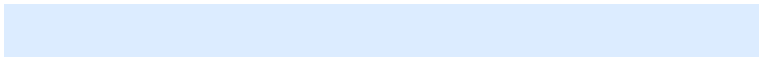
■ 19.6709, 8.6722,
95.2449

■ 18.4641, 7.4739,
95.0772

Harmonies

Analogous

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



77.7613, 82.4257, 107.8846



80.8383, 82.4257, 106.2568



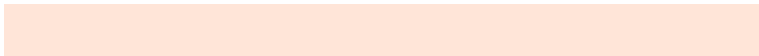
83.3043, 82.4257, 100.0859

Triad

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



80.8383, 82.4257, 106.2568



81.8744, 82.4257, 76.5361



72.5439, 82.4257, 88.0873

Complementary

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



80.8383, 82.4257, 106.2568



90.8356, 98.2298, 90.5207

Split Complementary

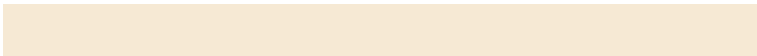
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.5830, 82.4257, 80.1469



80.8383, 82.4257, 106.2568



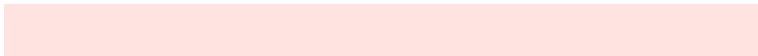
78.9279, 82.4257, 73.7665

Square

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



80.8383, 82.4257, 106.2568



83.9135, 82.4257, 82.8603



75.8999, 82.4257, 75.0436



73.0250, 82.4257, 97.0063

Rectangle

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



80.8383, 82.4257, 106.2568



84.2422, 82.4257, 94.4303



75.8999, 82.4257, 75.0436



72.7261, 82.4257, 85.2223

Sweetspot

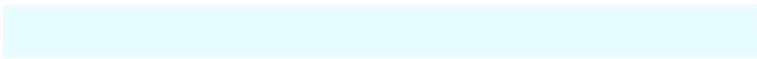
The Sweet Spot groups the original color and five complimentary colors.



80.8405, 82.4291, 106.2574



90.1343, 93.9149, 107.9845



86.4822, 94.6802, 108.3247



19.0181, 19.7623, 23.0621



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.



80.8405, 82.4291, 106.2574



77.9416, 78.8523, 105.7198



84.7107, 84.4242, 106.4385



17.1492, 17.4531, 22.7149



9.6557, 3.8882, 49.6762



0.9876, 0.4030, 4.8390

Inverse Universe

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



87.8283, 86.0684, 104.9152



86.3557, 83.2349, 104.0797



86.8025, 96.1507, 90.3320



18.7206, 18.2716, 22.4120



29.2518, 14.1900, 41.5719



2.8673, 1.3893, 4.1487

Previews

White Background



This preview shows how the XYZ color 80.8383, 82.4257, 106.2568 looks on a white background.

Color Contrast Check

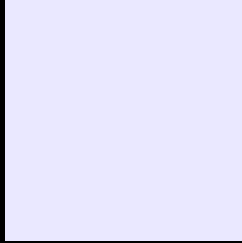
Large Text (above 18pt) WCAG AA × Fail

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 80.8383, 82.4257, 106.2568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

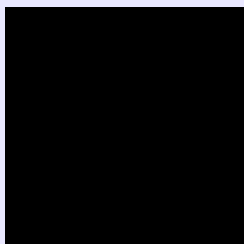
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.8383, 82.4257, 106.2568

Background



This preview shows how black text looks on a background with the XYZ color 80.8383, 82.4257, 106.2568.



This preview shows how white text looks on a background with the XYZ color 80.8383, 82.4257,

106.2568.

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

80.8383, 82.4257, 106.2568

Protanopia

80.4676, 82.6536, 106.3204

Deuteranopia

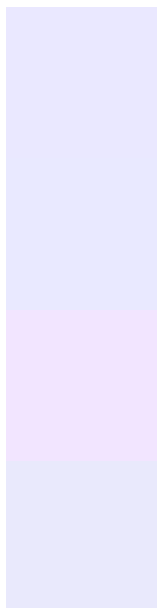
83.7994, 82.2996, 106.0765



Tritanopia

80.1558, 82.5665, 102.9791

Trichromacy



Original Color

80.8383, 82.4257, 106.2568

Protanomaly

80.7932, 82.8215, 106.3356

Deuteranomaly

82.6873, 82.1359, 106.1035

Tritanomaly

80.3139, 82.6297, 103.8116

Monochromacy



Original Color

80.8383, 82.4257, 106.2568

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.7108, 82.9186, 95.8081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8383, 82.4257, 106.2568 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(234, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 232, 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(234, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.8383, 82.4257, 106.2568 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(234, 232, 255) }
```


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

```
.border{ border-color:rgb(234, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8383, 82.4257, 106.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 232, 255) }
```

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

```
.background{ background-color: rgb(234,  
232, 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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