

Converting Colors

XYZ(80.6222, 81.8373,
106.1547)

Have a look what the booklet for
XYZ(80.6222, 81.8373, 106.1547)
contains.

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Color

**XYZ(80.5576, 81.8643,
106.1633)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE7FF
RGB	234, 231, 255
RGB Percent	92%, 91%, 100%
CMY	0.0823, 0.0941, 0.0000
CMYK	0.08, 0.09, 0.00, 0.00
HSL	247°, 100%, 95%
HSV	247°, 9%, 100%
XYZ	80.5576, 81.8643, 106.1633
YIQ	234.6330, -5.9160, 8.1000

Conversions

Conversions Part 2

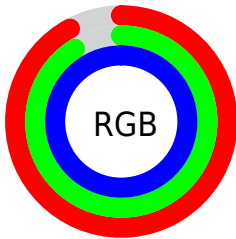
Format	Color
R _Y B	234, 231, 255
Decimal	15394815
CIE Lab	92.51, 5.44, -11.23
CIE LCh	93, 12.476, 295.866
Yxy	81.8643, 0.2999, 0.3048
Android (android.graphics.Color)	4293584895 (0xFFEAE7FF)
YUV	234.6330, 10.0409, -0.5551
Hunter-Lab	90.4789, 0.5889, -6.2326

Details

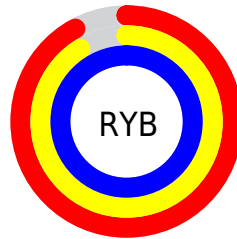
The XYZ color **80.5576, 81.8643, 106.1633** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.3307, 97.9859, 89.7576**, and the grayscale version is **78.6180, 82.7122, 90.0736**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8831, 44.2021, 59.6451** is the 20% darker color. If you saturate the color by 10%, you get **67.0635, 65.0754, 103.6339**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

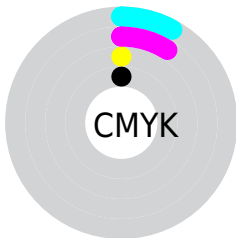
Distribution



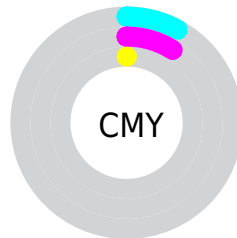
- Red (92%)
- Green (91%)
- Blue (100%)



- 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 80.5576, 81.8643, 106.1633 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 80.5576, 81.8643, 106.1633 by changing the saturation by 10% instead.

80.5576, 81.8643,
106.1633

80.5576, 81.8643,
106.1633

485.5180,
501.1937, 601.1918

60.4874, 61.2537,
80.8122

133.0958,
135.9837, 171.7270

44.0625, 44.4299,
59.8568

166.2945,
170.2613, 212.7766

30.9178, 31.0086,
42.8787

204.6000,
209.8633, 259.8962

20.6878, 20.6054,
29.4593

248.3778,
255.1741, 313.5042

13.0071, 12.8359,
19.1800

297.9931,
306.5782, 374.0193

7.5105, 7.3156,
11.6223

353.8113,

3.8325, 3.6603,

364.4598, 441.8599

6.3676

416.1978,
429.2036, 517.4445

■ 1.6078, 1.4854,
2.9975

■ 0.3975, 0.2784,
1.0934

■ 80.5576, 81.8643,
106.1633

■ 80.5576, 81.8643,
106.1633

■ 67.0635, 65.0754,
103.6339

95.0500, 100.0000,
108.9000

■ 55.4508, 50.7310,
101.4772

■ 45.6373, 38.7199,
99.6761

■ 37.5322, 28.9181,
98.2113

■ 31.0369, 21.1900,
97.0620

■ 26.0424, 15.3851,
96.2048

■ 22.4257, 11.3323,
95.6131

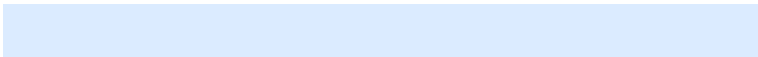
■ 20.0439, 8.8299,
95.2557

■ 18.6987, 7.5787,
95.0850

Harmonies

Analogous

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



77.3616, 81.8643, 108.1304



80.5576, 81.8643, 106.1633



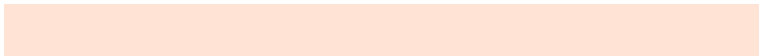
83.0778, 81.8643, 99.5211

Triad

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



80.5576, 81.8643, 106.1633



81.3558, 81.8643, 75.1764



71.7633, 81.8643, 87.8570

Complementary

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



80.5576, 81.8643, 106.1633



90.3307, 97.9859, 89.7576

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.



72.7689, 81.8643, 79.5003



80.5576, 81.8643, 106.1633



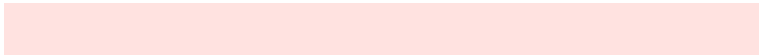
78.2593, 81.8643, 72.5079

Square

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



80.5576, 81.8643, 106.1633



83.5476, 81.8643, 81.5811



75.1247, 81.8643, 74.0348



72.3405, 81.8643, 97.1441

Rectangle

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



80.5576, 81.8643, 106.1633



84.0048, 81.8643, 93.5618



75.1247, 81.8643, 74.0348



71.9266, 81.8643, 84.8526

Sweetspot

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



80.5598, 81.8677, 106.1638



90.2377, 93.9681, 107.9894



85.8802, 93.9567, 108.2168



19.0459, 19.7766, 23.0634



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.



80.5598, 81.8677, 106.1638



78.2841, 79.0289, 105.7358



84.5641, 83.9320, 106.3512



17.2137, 17.4864, 22.7179



9.8054, 3.9654, 49.6832



1.0180, 0.4187, 4.8404

Inverse Universe

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



87.3887, 85.4434, 103.9847



86.1865, 83.1673, 103.1885



86.1889, 95.8507, 89.5638



18.6893, 18.2590, 22.2468



28.5578, 13.9124, 37.9173



2.8068, 1.3651, 3.8299

Previews

White Background



This preview shows how the XYZ color 80.5576, 81.8643, 106.1633 looks on a white background.

Color Contrast Check

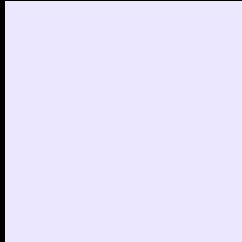
Large Text (above 18pt) WCAG AA × Fail

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 80.5576, 81.8643, 106.1633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

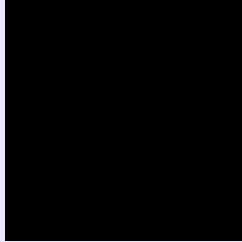
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5576, 81.8643, 106.1633

Background



This preview shows how black text looks on a background with the XYZ color 80.5576, 81.8643, 106.1633.



This preview shows how white text looks on a background with the XYZ color 80.5576, 81.8643,

106.1633.

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

80.5576, 81.8643, 106.1633

Protanopia

79.8616, 81.9221, 106.2111

Deuteranopia

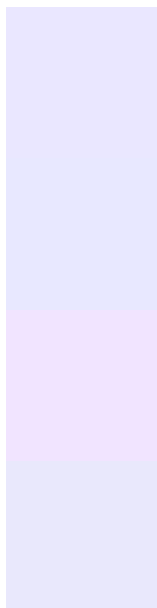
83.1753, 81.5706, 105.9686



Tritanopia

79.7162, 81.9390, 102.0568

Trichromacy



Original Color

80.5576, 81.8643, 106.1633

Protanomaly

80.1853, 82.0890, 106.2263

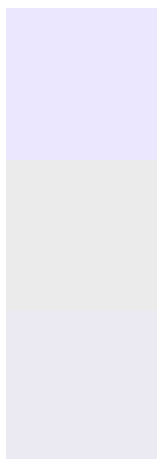
Deuteranomaly

82.0690, 81.4076, 105.9955

Tritanomaly

80.0316, 82.0651, 103.7175

Monochromacy



Original Color

80.5576, 81.8643, 106.1633

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 80.5576, 81.8643, 106.1633 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.5576, 81.8643, 106.1633 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, 231, 255) }
```


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

```
.border{ border-color:rgb(234, 231, 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, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5576, 81.8643, 106.1633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 231, 255) }
```

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

```
.background{ background-color: rgb(234,  
231, 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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