

Converting Colors

XYZ(80.2949, 82.3574,
107.4972)

Have a look what the booklet for
XYZ(80.2949, 82.3574, 107.4972)
contains.

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Color

**XYZ(80.1439, 82.4868,
106.3052)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E9FF
RGB	231, 233, 255
RGB Percent	91%, 91%, 100%
CMY	0.0941, 0.0863, 0.0000
CMYK	0.09, 0.09, 0.00, 0.00
HSL	235°, 100%, 95%
HSV	235°, 9%, 100%
XYZ	80.1439, 82.4868, 106.3052
YIQ	234.9100, -8.2540, 6.4180

Conversions

Conversions Part 2

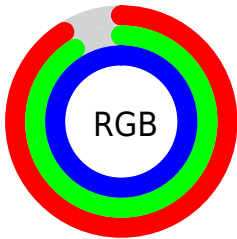
Format	Color
R _{YB}	231, 233, 255
Decimal	15198719
CIE _{Lab}	92.79, 3.45, -10.84
CIE _{LCh}	93, 11.377, 287.647
Yxy	82.4868, 0.2980, 0.3067
Android (android.graphics.Color)	4293388799 (0xFFE7E9FF)
YUV	234.9100, 9.9044, -3.4291
Hunter-Lab	90.8222, -1.4259, -5.8219

Details

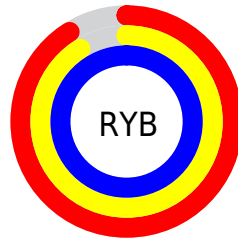
The XYZ color **80.1439, 82.4868, 106.3052** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.7883, 97.2780, 89.5943**, and the grayscale version is **78.8307, 82.9360, 90.3173**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5944, 44.6355, 59.7439** is the 20% darker color. If you saturate the color by 10%, you get **66.3220, 66.1835, 103.8869**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

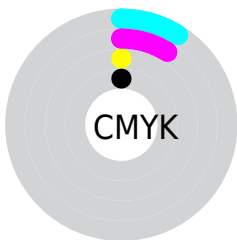
Distribution



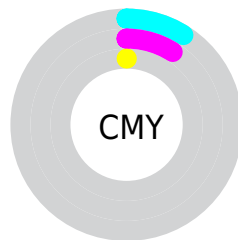
- Red (91%)
- Green (91%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1439, 82.4868, 106.3052 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 80.1439, 82.4868, 106.3052 by changing the saturation by 10% instead.

80.1439, 82.4868,
106.3052

80.1439, 82.4868,
106.3052

484.1468,
503.2746, 601.6426

60.1456, 61.7669,
80.9305

132.5175,
136.8565, 171.9225

43.7860, 44.8444,
59.9537

165.6235,
171.2750, 213.0022

30.6995, 31.3348,
42.9563

203.8296,
211.0285, 260.1539

20.5208, 20.8540,
29.5196

247.5009,
256.5013, 313.7963

12.8846, 13.0173,
19.2253

297.0030,
308.0780, 374.3478

7.4256, 7.4405,
11.6547

352.7011,

3.7784, 3.7391,

366.1428, 442.2270

6.3894

414.9606,
431.0802, 517.8524

■ 1.5775, 1.5287,
3.0107

■ 0.3777, 0.3088,
1.1001

■ 80.1439, 82.4868,
106.3052

■ 80.1439, 82.4868,
106.3052

■ 66.3220, 66.1835,
103.8869

95.0500, 100.0000,
108.9000

■ 54.4873, 52.1523,
101.8024

■ 44.5502, 40.2954,
100.0375

■ 36.4118, 30.5037,
98.5764

■ 29.9639, 22.6587,
97.4020

■ 25.0870, 16.6297,
96.4954

■ 21.6454, 12.2700,
95.8352

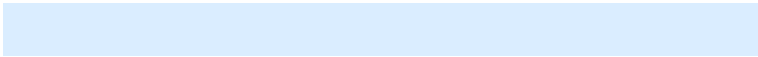
■ 19.4805, 9.4099,
95.3973

■ 18.3686, 7.8293,
95.1508

Harmonies

Analogous

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



77.1868, 82.4868, 106.7430



80.1439, 82.4868, 106.3052



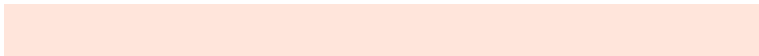
82.6944, 82.4868, 101.2801

Triad

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



80.1439, 82.4868, 106.3052



82.3088, 82.4868, 78.2700



72.9580, 82.4868, 86.3631

Complementary

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



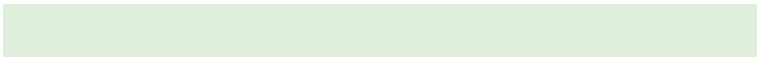
80.1439, 82.4868, 106.3052



90.7883, 97.2780, 89.5943

Split Complementary

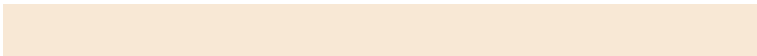
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2593, 82.4868, 79.2479



80.1439, 82.4868, 106.3052



79.6284, 82.4868, 74.7770

Square

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



80.1439, 82.4868, 106.3052



83.9658, 82.4868, 84.9503



76.6840, 82.4868, 75.1233



73.0881, 82.4868, 94.8601

Rectangle

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



80.1439, 82.4868, 106.3052



83.7981, 82.4868, 96.1738



76.6840, 82.4868, 75.1233



73.2412, 82.4868, 83.7411

Sweetspot

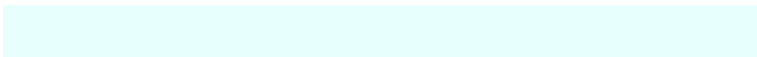
The Sweet Spot groups the original color and five complimentary colors.



80.1461, 82.4902, 106.3058



90.0952, 94.1857, 108.0389



86.3816, 95.5756, 106.4901



19.0076, 19.8349, 23.0767



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.



80.1461, 82.4902, 106.3058



77.8129, 79.7430, 105.8985



82.7661, 83.0036, 106.2668



17.1249, 17.6213, 22.7486



9.6163, 4.1422, 49.7273



0.9761, 0.4829, 4.8550

Inverse Universe

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



84.5252, 84.2965, 88.9108



82.8790, 81.8443, 85.7718



87.9803, 96.7743, 89.6450



18.0709, 18.0117, 18.9906



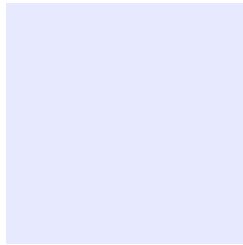
21.6421, 11.1461, 1.4996



2.1273, 1.0933, 0.2517

Previews

White Background



This preview shows how the XYZ color 80.1439, 82.4868, 106.3052 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 80.1439, 82.4868, 106.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

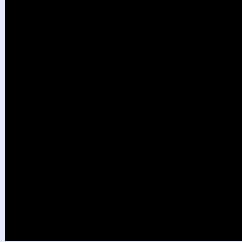
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.1439, 82.4868, 106.3052

Background



This preview shows how black text looks on a background with the XYZ color 80.1439, 82.4868, 106.3052.



This preview shows how white text looks on a background with the XYZ color 80.1439, 82.4868,

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

80.1439, 82.4868, 106.3052

Protanopia

80.4676, 82.6536, 106.3204

Deuteranopia

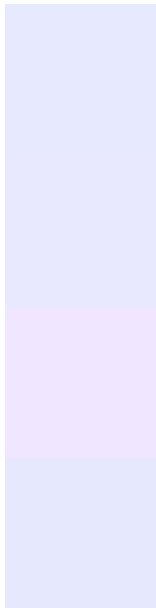
83.7994, 82.2996, 106.0765



Tritanopia

79.3427, 82.1291, 103.7662

Trichromacy



Original Color

80.1439, 82.4868, 106.3052

Protanomaly

80.4676, 82.6536, 106.3204

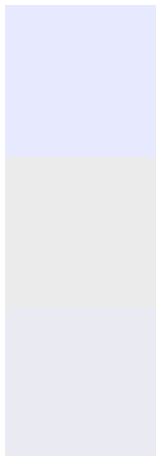
Deuteranomaly

82.6224, 82.5144, 106.1799

Tritanomaly

79.5017, 82.1927, 104.6031

Monochromacy



Original Color

80.1439, 82.4868, 106.3052

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.3815, 82.7489, 95.7927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1439, 82.4868, 106.3052 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(231, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 233, 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(231, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.1439, 82.4868, 106.3052 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(231, 233, 255) }
```


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

```
.border{ border-color:rgb(231, 233, 255) }
```

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

Here you see how a box with a 4 pixel rgb(231, 233, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1439, 82.4868, 106.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 233, 255) }
```

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

```
.background{ background-color: rgb(231,  
233, 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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