

Converting Colors

XYZ(86.5573, 84.4343,
139.0755)

Have a look what the booklet for
XYZ(86.5573, 84.4343, 139.0755)
contains.

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Color

**XYZ(80.2302, 81.6955,
106.1480)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E7FF
RGB	233, 231, 255
RGB Percent	91%, 91%, 100%
CMY	0.0863, 0.0941, 0.0000
CMYK	0.09, 0.09, 0.00, 0.00
HSL	245°, 100%, 95%
HSV	245°, 9%, 100%
XYZ	80.2302, 81.6955, 106.1480
YIQ	234.3340, -6.5120, 7.8880

Conversions

Conversions Part 2

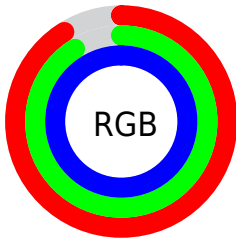
Format	Color
R_{YB}	233, 231, 255
Decimal	15329279
CIE _{Lab}	92.44, 5.12, -11.35
CIE _{LCh}	92, 12.448, 294.300
Yxy	81.6955, 0.2993, 0.3048
Android (android.graphics.Color)	4293519359 (0xFFE9E7FF)
YUV	234.3340, 10.1883, -1.1699
Hunter-Lab	90.3856, 0.2697, -6.3598

Details

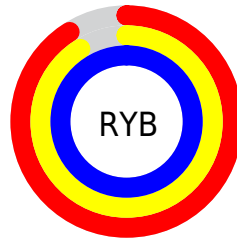
The XYZ color **80.2302, 81.6955, 106.1480** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.6938, 98.1731, 89.7746**, and the grayscale version is **78.3904, 82.4728, 89.8129**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6545, 44.0843, 59.6344** is the 20% darker color. If you saturate the color by 10%, you get **66.4738, 64.7713, 103.6063**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

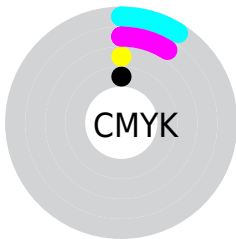
Distribution



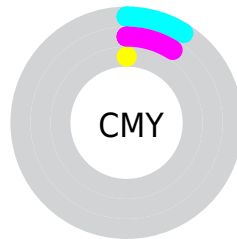
- Red (91%)
- Green (91%)
- Blue (100%)



- 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 80.2302, 81.6955, 106.1480 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 80.2302, 81.6955, 106.1480 by changing the saturation by 10% instead.

80.2302, 81.6955,
106.1480

80.2302, 81.6955,
106.1480

484.4330,
500.6286, 601.1432

60.2169, 61.1146,
80.7994

132.6382,
135.7469, 171.7059

43.8436, 44.3176,
59.8464

165.7635,
169.9862, 212.7523

30.7450, 30.9203,
42.8703

203.9903,
209.5470, 259.8684

20.5556, 20.5382,
29.4528

247.6839,
254.8138, 313.4727

12.9102, 12.7868,
19.1751

297.2096,
306.1710, 373.9838

7.4433, 7.2819,
11.6188

352.9328,

3.7896, 3.6390,

364.0029, 441.8203

6.3653

415.2188,
428.6940, 517.4005

■ 1.5838, 1.4738,
2.9961

■ 0.3818, 0.2702,
1.0926

■ 80.2302, 81.6955,
106.1480

■ 80.2302, 81.6955,
106.1480

■ 66.4738, 64.7713,
103.6063

95.0500, 100.0000,
108.9000

■ 54.6818, 50.3346,
101.4413

■ 44.7664, 38.2710,
99.6353

■ 36.6304, 28.4532,
98.1691

■ 30.1680, 20.7420,
97.0213

■ 25.2620, 14.9828,
96.1683

■ 21.7802, 10.9996,
95.5829

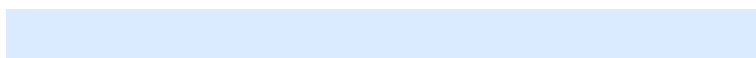
■ 19.5677, 8.5844,
95.2334

■ 18.4106, 7.4301,
95.0716

Harmonies

Analogous

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



77.0346, 81.6955, 107.8290



80.2302, 81.6955, 106.1480



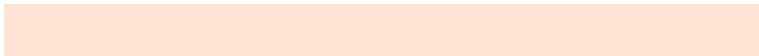
82.7969, 81.6955, 99.7283

Triad

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



80.2302, 81.6955, 106.1480



81.3258, 81.6955, 75.2900



71.6381, 81.6955, 87.1997

Complementary

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



80.2302, 81.6955, 106.1480



90.6938, 98.1731, 89.7746

Split Complementary

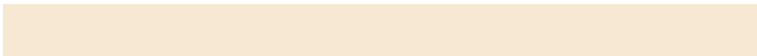
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.7193, 81.6955, 78.9823



80.2302, 81.6955, 106.1480



78.2669, 81.6955, 72.4185

Square

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



80.2302, 81.6955, 106.1480



83.4416, 81.6955, 81.8394



75.1240, 81.6955, 73.7222



72.1311, 81.6955, 96.4663

Rectangle

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



80.2302, 81.6955, 106.1480



83.7759, 81.6955, 93.8473



75.1240, 81.6955, 73.7222



71.8286, 81.6955, 84.2309

Sweetspot

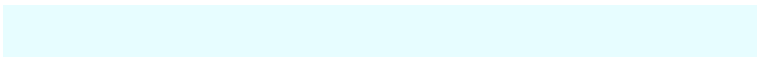
The Sweet Spot groups the original color and five complimentary colors.



80.2324, 81.6988, 106.1485



90.1245, 93.9098, 107.9841



86.2586, 94.7134, 108.3430



19.0155, 19.7609, 23.0620



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.



80.2324, 81.6988, 106.1485



77.9092, 78.8356, 105.7183



84.1450, 83.7159, 106.3316



17.1431, 17.4500, 22.7146



9.6437, 3.8820, 49.6756



0.9847, 0.4016, 4.8389

Inverse Universe

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



87.5476, 85.5069, 104.8216



86.3718, 83.2414, 104.1646



86.5980, 96.0616, 89.5829



18.7236, 18.2728, 22.4277



29.3197, 14.2172, 41.9295



2.8732, 1.3917, 4.1798

Previews

White Background



This preview shows how the XYZ color 80.2302, 81.6955, 106.1480 looks on a white background.

Color Contrast Check

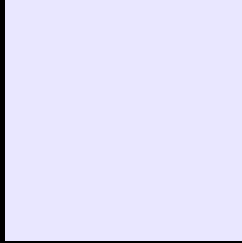
Large Text (above 18pt) WCAG AA × Fail

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 80.2302, 81.6955, 106.1480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

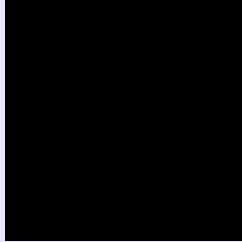
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2302, 81.6955, 106.1480

Background



This preview shows how black text looks on a background with the XYZ color 80.2302, 81.6955, 106.1480.



This preview shows how white text looks on a background with the XYZ color 80.2302, 81.6955,

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

80.2302, 81.6955, 106.1480

Protanopia

79.8616, 81.9221, 106.2111

Deuteranopia

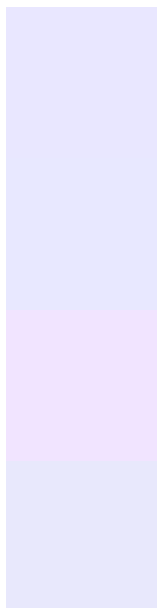
83.1753, 81.5706, 105.9686



Tritanopia

79.3906, 81.7712, 102.0416

Trichromacy



Original Color

80.2302, 81.6955, 106.1480

Protanomaly

80.1853, 82.0890, 106.2263

Deuteranomaly

82.0690, 81.4076, 105.9955

Tritanomaly

79.7060, 81.8973, 103.7023

Monochromacy



Original Color

80.2302, 81.6955, 106.1480

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.0976, 82.1811, 95.6980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2302, 81.6955, 106.1480 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(233, 231, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 80.2302, 81.6955, 106.1480 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(233, 231, 255) }
```


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

```
.border{ border-color:rgb(233, 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(233, 231, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 80.2302, 81.6955, 106.1480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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