

Converting Colors

XYZ(82.8847, 84.6956,
117.9112)

Have a look what the booklet for
XYZ(82.8847, 84.6956, 117.9112)
contains.

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Color

**XYZ(80.7133, 83.6256,
106.4950)**

Conversions

Conversions Part 1

Format	Color
Hex	E7EBFF
RGB	231, 235, 255
RGB Percent	91%, 92%, 100%
CMY	0.0941, 0.0784, 0.0000
CMYK	0.09, 0.08, 0.00, 0.00
HSL	230°, 100%, 95%
HSV	230°, 9%, 100%
XYZ	80.7133, 83.6256, 106.4950
YIQ	236.0840, -8.8040, 5.3720

Conversions

Conversions Part 2

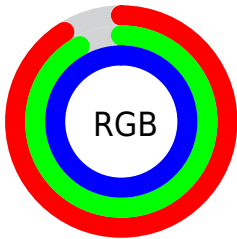
Format	Color
R_{YB}	231, 234, 255
Decimal	15199231
CIE Lab	93.29, 2.42, -10.10
CIE LCh	93, 10.385, 283.457
Yxy	83.6256, 0.2980, 0.3088
Android (android.graphics.Color)	4293389311 (0xFFE7EBFF)
YUV	236.0840, 9.3256, -4.4587
Hunter-Lab	91.4470, -2.4840, -5.0335

Details

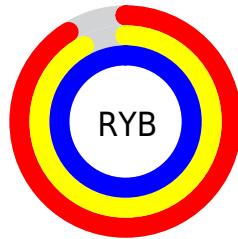
The XYZ color **80.7133, 83.6256, 106.4950** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.1602, 96.0219, 89.3849**, and the grayscale version is **79.7308, 83.8830, 91.3485**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9923, 45.4314, 59.8766** is the 20% darker color. If you saturate the color by 10%, you get **67.3513, 68.2421, 104.2300**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

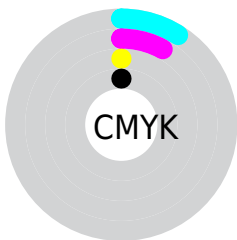
Distribution



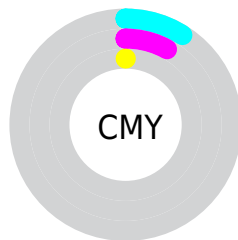
- Red (91%)
- Green (92%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.7133, 83.6256, 106.4950 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 80.7133, 83.6256, 106.4950 by changing the saturation by 10% instead.

80.7133, 83.6256,
106.4950

80.7133, 83.6256,
106.4950

486.0335,
507.0691, 602.2452

60.6160, 62.7064,
81.0887

133.3134,
138.4513, 172.1840

44.1667, 45.6037,
60.0833

166.5469,
173.1266, 213.3038

31.0000, 31.9332,
43.0600

204.8898,
213.1560, 260.4985

20.7507, 21.3105,
29.6005

248.7075,
258.9240, 314.1868

13.0533, 13.3511,
19.2860

298.3654,
310.8149, 374.7870

7.5425, 7.6708,
11.6983

354.2288,

3.8530, 3.8850,

369.2131, 442.7178

6.4185

416.6630,
434.5031, 518.3977

■ 1.6193, 1.6095,
3.0283

■ 0.4049, 0.3640,
1.1091

■ 80.7133, 83.6256,
106.4950

■ 80.7133, 83.6256,
106.4950

■ 67.3513, 68.2421,
104.2300

95.0500, 100.0000,
108.9000

■ 55.8354, 54.8487,
102.2517

■ 46.0856, 43.3663,
100.5493

■ 38.0133, 33.7068,
99.1103

■ 31.5220, 25.7747,
97.9214

■ 26.5051, 19.4659,
96.9681

■ 22.8426, 14.6644,
96.2343

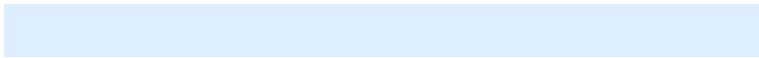
■ 20.3945, 11.2379,
95.7020

■ 18.9617, 9.0155,
95.3485

Harmonies

Analogous

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



77.9962, 83.6256, 106.2623



80.7133, 83.6256, 106.4950



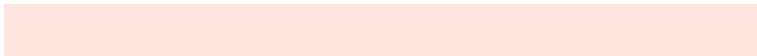
83.1545, 83.6256, 102.4257

Triad

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



80.7133, 83.6256, 106.4950



83.3610, 83.6256, 81.0863



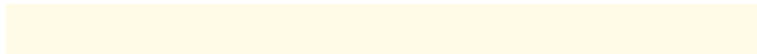
74.5500, 83.6256, 86.8342

Complementary

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



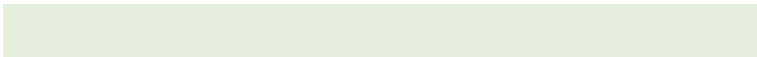
80.7133, 83.6256, 106.4950



90.1602, 96.0219, 89.3849

Split Complementary

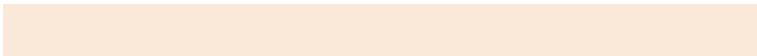
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9224, 83.6256, 80.5569



80.7133, 83.6256, 106.4950



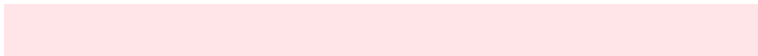
80.9898, 83.6256, 77.3709

Square

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



80.7133, 83.6256, 106.4950



84.7066, 83.6256, 87.5951



78.2665, 83.6256, 77.1828



74.4799, 83.6256, 94.6029

Rectangle

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



80.7133, 83.6256, 106.4950



84.2798, 83.6256, 97.9489



78.2665, 83.6256, 77.1828



74.8729, 83.6256, 84.4906

Sweetspot

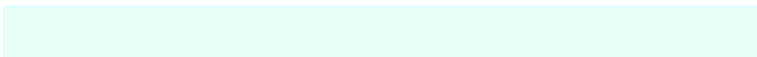
The Sweet Spot groups the original color and five complimentary colors.



80.7155, 83.6290, 106.4956



90.2916, 94.5784, 108.1043



86.0653, 95.4491, 104.8242



19.0604, 19.9404, 23.0942



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.



80.7155, 83.6290, 106.4956



78.4652, 81.0476, 106.1159



82.0886, 82.6544, 106.2351



17.2478, 17.8672, 22.7896



9.9455, 4.8005, 49.8370



1.0338, 0.5984, 4.8743

Inverse Universe

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



84.8127, 84.4114, 90.4243



83.2083, 81.9760, 87.5056



88.6833, 97.1367, 89.6779



18.1330, 18.0365, 19.3174



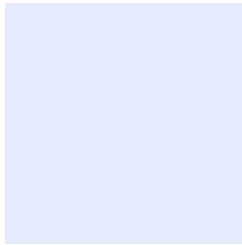
21.8082, 11.2126, 2.3746



2.1564, 1.1050, 0.4053

Previews

White Background



This preview shows how the XYZ color 80.7133, 83.6256, 106.4950 looks on a white background.

Color Contrast Check

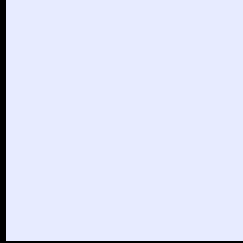
Large Text (above 18pt) WCAG AA × Fail

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 80.7133, 83.6256, 106.4950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

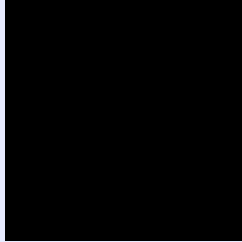
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.7133, 83.6256, 106.4950

Background



This preview shows how black text looks on a background with the XYZ color 80.7133, 83.6256, 106.4950.



This preview shows how white text looks on a background with the XYZ color 80.7133, 83.6256,

106.4950.

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

80.7133, 83.6256, 106.4950

Protanopia

81.2439, 83.4938, 105.5998

Deuteranopia

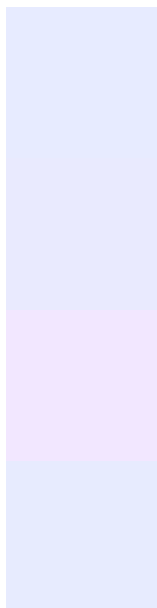
84.7807, 83.2151, 106.2014



Tritanopia

80.5527, 83.5613, 105.6493

Trichromacy



Original Color

80.7133, 83.6256, 106.4950

Protanomaly

80.9165, 83.3250, 105.5845

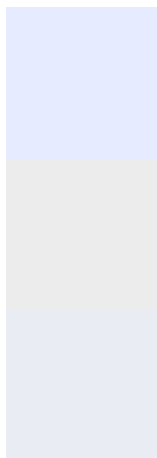
Deuteranomaly

83.2439, 83.2491, 106.2890

Tritanomaly

80.5527, 83.5613, 105.6493

Monochromacy



Original Color

80.7133, 83.6256, 106.4950

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.1048, 83.9544, 96.7769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7133, 83.6256, 106.4950 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 235, 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, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.7133, 83.6256, 106.4950 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, 235, 255) }
```


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

```
.border{ border-color:rgb(231, 235, 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, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7133, 83.6256, 106.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 235, 255) }
```

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

```
.background{ background-color: rgb(231,  
235, 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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