

Converting Colors

XYZ(85.0381, 84.5880,
124.8929)

Have a look what the booklet for
XYZ(85.0381, 84.5880, 124.8929)
contains.

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Color

**XYZ(81.4499, 83.1600,
106.3664)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE9FF
RGB	235, 233, 255
RGB Percent	92%, 91%, 100%
CMY	0.0784, 0.0863, 0.0000
CMYK	0.08, 0.09, 0.00, 0.00
HSL	245°, 100%, 96%
HSV	245°, 9%, 100%
XYZ	81.4499, 83.1600, 106.3664
YIQ	236.1060, -5.8700, 7.2660

Conversions

Conversions Part 2

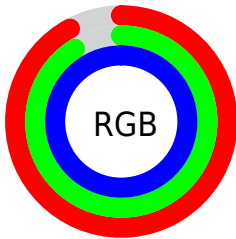
Format	Color
R _Y B	235, 233, 255
Decimal	15460863
CIE Lab	93.08, 4.73, -10.37
CIE LCh	93, 11.398, 294.512
Yxy	83.1600, 0.3006, 0.3069
Android (android.graphics.Color)	4293650943 (0xFFEBE9FF)
YUV	236.1060, 9.3147, -0.9700
Hunter-Lab	91.1921, -0.1556, -5.3213

Details

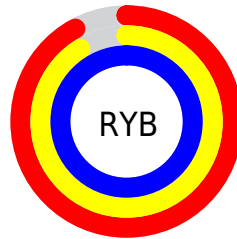
The XYZ color **81.4499, 83.1600, 106.3664** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.9779, 98.2868, 91.2710**, and the grayscale version is **79.7461, 83.8991, 91.3661**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5056, 45.1052, 59.7866** is the 20% darker color. If you saturate the color by 10%, you get **67.5842, 66.0608, 103.7967**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



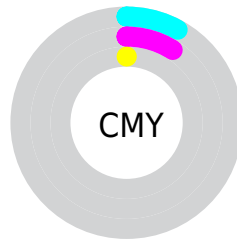
- Red (92%)
- Green (91%)
- Blue (100%)



- 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 81.4499, 83.1600, 106.3664 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 81.4499, 83.1600, 106.3664 by changing the saturation by 10% instead.

81.4499, 83.1600,
106.3664

81.4499, 83.1600,
106.3664

488.4682,
505.5196, 601.8369

61.2248, 62.3222,
80.9815

134.3422,
137.7995, 172.0068

44.6598, 45.2931,
59.9955

167.7400,
172.3700, 213.0994

31.3897, 31.6883,
42.9897

206.2594,
212.2868, 260.2650

21.0490, 21.1235,
29.5457

250.2658,
257.9343, 313.9222

13.2725, 13.2143,
19.2449

300.1246,
309.6970, 374.4894

7.6948, 7.5763,
11.6688

356.2010,

3.9504, 3.8251,

367.9592, 442.3852

6.3988

418.8604,
433.1052, 518.0282

■ 1.6741, 1.5762,
3.0164

■ 0.4400, 0.3415,
1.1030

■ 81.4499, 83.1600,
106.3664

■ 81.4499, 83.1600,
106.3664

■ 67.5842, 66.0608,
103.7967

95.0500, 100.0000,
108.9000

■ 55.6742, 51.4499,
101.6042

■ 45.6337, 39.2143,
99.7717

■ 37.3674, 29.2280,
98.2798

■ 30.7715, 21.3538,
97.1076

■ 25.7316, 15.4391,
96.2316

■ 22.1183, 11.3107,
95.6252

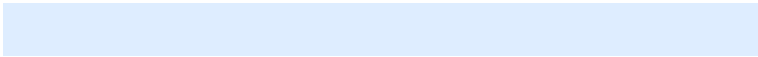
■ 19.7814, 8.7650,
95.2570

■ 18.5227, 7.5202,
95.0830

Harmonies

Analogous

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



78.4926, 83.1600, 107.9419



81.4499, 83.1600, 106.3664



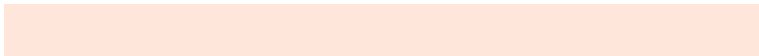
83.8143, 83.1600, 100.4439

Triad

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



81.4499, 83.1600, 106.3664



82.4252, 83.1600, 77.7938



73.4564, 83.1600, 88.9818

Complementary

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



81.4499, 83.1600, 106.3664



90.9779, 98.2868, 91.2710

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.



74.4526, 83.1600, 81.3227



81.4499, 83.1600, 106.3664



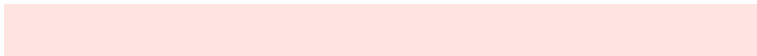
79.5921, 83.1600, 75.1293

Square

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



81.4499, 83.1600, 106.3664



84.3872, 83.1600, 83.8876



76.6802, 83.1600, 76.3796



73.9256, 83.1600, 97.5500

Rectangle

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



81.4499, 83.1600, 106.3664



84.7108, 83.1600, 95.0146



76.6802, 83.1600, 76.3796



73.6302, 83.1600, 86.2219

Sweetspot

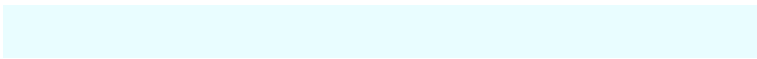
The Sweet Spot groups the original color and five complimentary colors.



81.4521, 83.1634, 106.3669



90.1451, 93.9204, 107.9850



86.8341, 94.9007, 108.3488



19.0210, 19.7637, 23.0622



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.



81.4521, 83.1634, 106.3669



79.4265, 80.6606, 105.9906



85.1388, 85.0640, 106.5394



17.1559, 17.4566, 22.7152



9.6692, 3.8951, 49.6768



0.9908, 0.4047, 4.8392

Inverse Universe

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



88.1106, 86.6329, 105.0091



87.0773, 84.6475, 104.4148



87.1450, 96.3108, 91.0916



18.7174, 18.2703, 22.3947



29.1778, 14.1604, 41.1824



2.8609, 1.3867, 4.1149

Previews

White Background



This preview shows how the XYZ color 81.4499, 83.1600, 106.3664 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 81.4499, 83.1600, 106.3664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

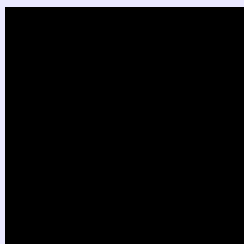
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.4499, 83.1600, 106.3664

Background



This preview shows how black text looks on a background with the XYZ color 81.4499, 83.1600, 106.3664.



This preview shows how white text looks on a background with the XYZ color 81.4499, 83.1600,

106.3664.

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

81.4499, 83.1600, 106.3664

Protanopia

81.0771, 83.3893, 106.4303

Deuteranopia

84.7807, 83.2151, 106.2014



Tritanopia

81.2545, 83.5361, 103.9370

Trichromacy



Original Color

81.4499, 83.1600, 106.3664

Protanomaly

81.4045, 83.5581, 106.4456

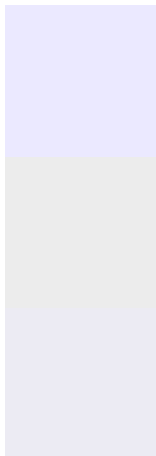
Deuteranomaly

83.3090, 82.8683, 106.2121

Tritanomaly

81.4134, 83.5997, 104.7739

Monochromacy



Original Color

81.4499, 83.1600, 106.3664

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.4781, 83.7206, 96.7121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4499, 83.1600, 106.3664 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(235, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.4499, 83.1600, 106.3664 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(235, 233, 255) }
```


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

```
.border{ border-color:rgb(235, 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(235, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4499, 83.1600, 106.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 233, 255) }
```

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

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