

Converting Colors

XYZ(82.9919, 83.8608,
108.6764)

Have a look what the booklet for
XYZ(82.9919, 83.8608, 108.6764)
contains.

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Color

**XYZ(82.4488, 83.6750,
106.4131)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE9FF
RGB	238, 233, 255
RGB Percent	93%, 91%, 100%
CMY	0.0667, 0.0863, 0.0000
CMYK	0.07, 0.09, 0.00, 0.00
HSL	254°, 100%, 96%
HSV	254°, 9%, 100%
XYZ	82.4488, 83.6750, 106.4131
YIQ	237.0030, -4.0820, 7.9020

Conversions

Conversions Part 2

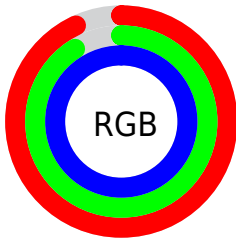
Format	Color
R_{YB}	238, 233, 255
Decimal	15657471
CIE _{Lab}	93.31, 5.69, -10.01
CIE _{LCh}	93, 11.518, 299.626
Yxy	83.6750, 0.3025, 0.3070
Android (android.graphics.Color)	4293847551 (0xFFEEE9FF)
YUV	237.0030, 8.8725, 0.8744
Hunter-Lab	91.4740, 0.8088, -4.9411

Details

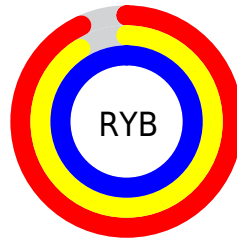
The XYZ color **82.4488, 83.6750, 106.4131** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.8944, 97.7282, 91.2204**, and the grayscale version is **80.4367, 84.6257, 92.1574**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2066, 45.4666, 59.8194** is the 20% darker color. If you saturate the color by 10%, you get **69.4871, 67.0419, 103.8858**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

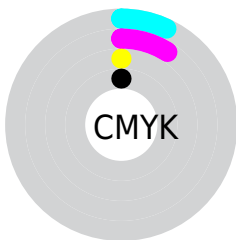
Distribution



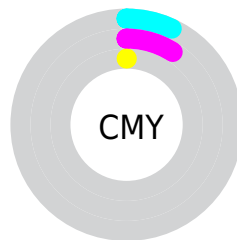
- Red (93%)
- Green (91%)
- Blue (100%)



- Red (93%)
- Yellow (91%)
- Blue (100%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4488, 83.6750, 106.4131 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 82.4488, 83.6750, 106.4131 by changing the saturation by 10% instead.

82.4488, 83.6750,
106.4131

82.4488, 83.6750,
106.4131

491.7594,
507.2334, 601.9852

62.0509, 62.7471,
81.0205

135.7357,
138.5205, 172.0712

45.3296, 45.6367,
60.0273

169.3555,
173.2069, 213.1737

31.9195, 31.9592,
43.0152

208.1132,
213.2482, 260.3498

21.4553, 21.3303,
29.5656

252.3744,
259.0289, 314.0183

13.5715, 13.3657,
19.2598

302.5042,
310.9334, 374.5975

7.9030, 7.6808,
11.6795

358.8681,

4.0842, 3.8914,

369.3461, 442.5060

6.4059

421.8314,
434.6512, 518.1624

■ 1.7499, 1.6130,
3.0207

■ 0.4872, 0.3663,
1.1052

■ 82.4488, 83.6750,
106.4131

■ 82.4488, 83.6750,
106.4131

■ 69.4871, 67.0419,
103.8858

95.0500, 100.0000,
108.9000

■ 58.2229, 52.7639,
101.7235

■ 48.5861, 40.7364,
99.9099

■ 40.4994, 30.8427,
98.4264

■ 33.8785, 22.9555,
97.2530

■ 28.6312, 16.9339,
96.3673

■ 24.6539, 12.6178,
95.7438

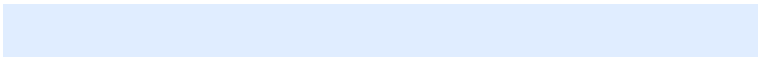
■ 21.8268, 9.8195,
95.3527

■ 19.9902, 8.2767,
95.1517

Harmonies

Analogous

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



79.4925, 83.6750, 108.8530



82.4488, 83.6750, 106.4131



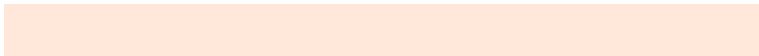
84.6694, 83.6750, 99.8177

Triad

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



82.4488, 83.6750, 106.4131



82.5163, 83.6750, 77.4431



73.8396, 83.6750, 90.9989

Complementary

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



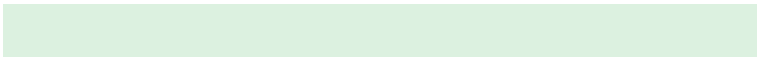
82.4488, 83.6750, 106.4131



89.8944, 97.7282, 91.2204

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.



74.6040, 83.6750, 82.9200



82.4488, 83.6750, 106.4131



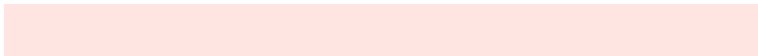
79.5686, 83.6750, 75.4043

Square

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



82.4488, 83.6750, 106.4131



84.7091, 83.6750, 83.0974



76.6820, 83.6750, 77.3454



74.5675, 83.6750, 99.6172

Rectangle

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



82.4488, 83.6750, 106.4131



85.4068, 83.6750, 94.1490



76.6820, 83.6750, 77.3454



73.9302, 83.6750, 88.1329

Sweetspot

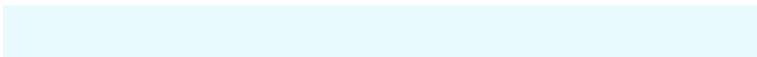
The Sweet Spot groups the original color and five complimentary colors.



82.4510, 83.6785, 106.4137



90.5161, 94.1117, 108.0024



85.9146, 93.0616, 108.0423



19.1207, 19.8151, 23.0669



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.



82.4510, 83.6785, 106.4137



80.5655, 81.2478, 106.0439



86.1748, 85.5982, 106.5879



17.3890, 17.5767, 22.7261



10.4465, 4.2959, 49.7132



1.1070, 0.4646, 4.8446

Inverse Universe

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



87.6364, 86.4433, 102.5118



86.5291, 84.4282, 101.5279



86.1456, 95.7956, 91.0450



18.6057, 18.2256, 21.8068



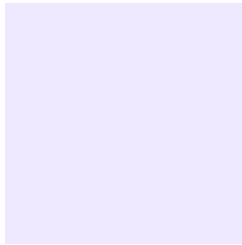
26.8787, 13.2408, 29.0752



2.6582, 1.3056, 3.0474

Previews

White Background



This preview shows how the XYZ color 82.4488, 83.6750, 106.4131 looks on a white background.

Color Contrast Check

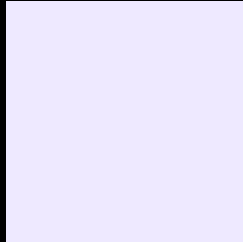
Large Text (above 18pt) WCAG AA × Fail

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 82.4488, 83.6750, 106.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

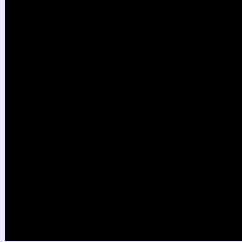
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.4488, 83.6750, 106.4131

Background



This preview shows how black text looks on a background with the XYZ color 82.4488, 83.6750, 106.4131.



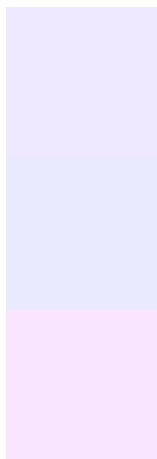
This preview shows how white text looks on a background with the XYZ color 82.4488, 83.6750,

106.4131.

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

82.4488, 83.6750, 106.4131

Protanopia

81.4045, 83.5581, 106.4456

Deuteranopia

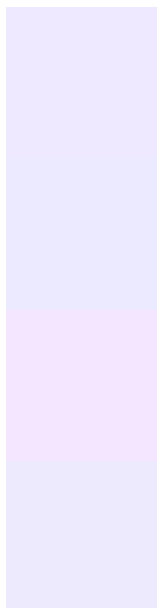
85.1362, 83.3984, 106.2181



Tritanopia

82.2534, 84.0511, 103.9837

Trichromacy



Original Color

82.4488, 83.6750, 106.4131

Protanomaly

81.7338, 83.7278, 106.4610

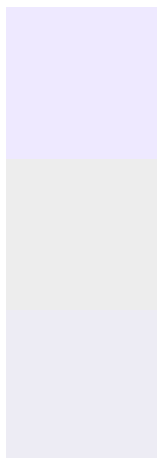
Deuteranomaly

84.0030, 83.2261, 106.2446

Tritanomaly

82.4123, 84.1146, 104.8207

Monochromacy



Original Color

82.4488, 83.6750, 106.4131

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.2496, 84.5271, 97.6210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.4488, 83.6750, 106.4131 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(238, 233, 255) looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.4488, 83.6750, 106.4131 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(238, 233, 255) }
```


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

```
.border{ border-color:rgb(238, 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(238, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.4488, 83.6750, 106.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 233, 255) }
```

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

```
.background{ background-color: rgb(238,  
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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