

Converting Colors

XYZ(89.1241, 85.2715,
144.4977)

Have a look what the booklet for
XYZ(89.1241, 85.2715, 144.4977)
contains.

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Color

**XYZ(81.8858, 82.5490,
106.2254)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE7FF
RGB	238, 231, 255
RGB Percent	93%, 91%, 100%
CMY	0.0667, 0.0941, 0.0000
CMYK	0.07, 0.09, 0.00, 0.00
HSL	257°, 100%, 95%
HSV	257°, 9%, 100%
XYZ	81.8858, 82.5490, 106.2254
YIQ	235.8290, -3.5320, 8.9480

Conversions

Conversions Part 2

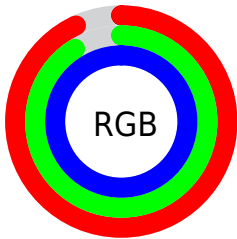
Format	Color
R _Y B	238, 231, 255
Decimal	15656959
CIE Lab	92.82, 6.73, -10.74
CIE LCh	93, 12.678, 302.057
Yxy	82.5490, 0.3025, 0.3050
Android (android.graphics.Color)	4293847039 (0xFFEEE7FF)
YUV	235.8290, 9.4513, 1.9040
Hunter-Lab	90.8565, 1.8770, -5.7197

Details

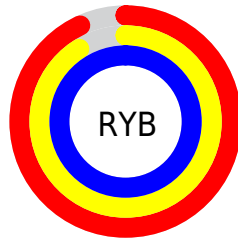
The XYZ color **81.8858, 82.5490, 106.2254** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.8973, 97.2470, 89.6906**, and the grayscale version is **79.5319, 83.6738, 91.1208**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8144, 44.6822, 59.6886** is the 20% darker color. If you saturate the color by 10%, you get **69.4987, 66.3308, 103.7479**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

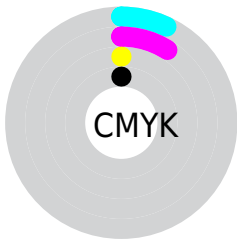
Distribution



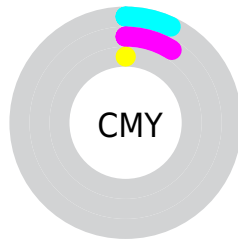
- Red (93%)
- Green (91%)
- Blue (100%)



- 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 81.8858, 82.5490, 106.2254 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 81.8858, 82.5490, 106.2254 by changing the saturation by 10% instead.

81.8858, 82.5490,
106.2254

81.8858, 82.5490,
106.2254

489.9059,
503.4822, 601.3891

61.5852, 61.8182,
80.8640

134.9505,
136.9436, 171.8125

44.9519, 44.8858,
59.8992

168.4453,
171.3762, 212.8753

31.6207, 31.3675,
42.9126

207.0689,
211.1448, 260.0090

21.2261, 20.8788,
29.4857

251.1866,
256.6339, 313.6320

13.4028, 13.0355,
19.1998

301.1638,
308.2277, 374.1630

7.7854, 7.4530,
11.6365

357.3659,

4.0086, 3.7470,

366.3108, 442.0205

6.3771

420.1581,
431.2675, 517.6230

■ 1.7070, 1.5330,
3.0033

■ 0.4606, 0.3118,
1.0963

■ 81.8858, 82.5490,
106.2254

■ 81.8858, 82.5490,
106.2254

■ 69.4987, 66.3308,
103.7479

95.0500, 100.0000,
108.9000

■ 58.6950, 52.4036,
101.6291

■ 49.4104, 40.6651,
99.8527

■ 41.5731, 31.0013,
98.4004

■ 35.1054, 23.2874,
97.2524

■ 29.9216, 17.3849,
96.3863

■ 25.9256, 13.1366,
95.7769

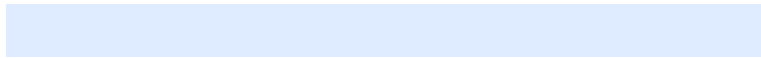
■ 23.0055, 10.3567,
95.3943

■ 21.0010, 8.7655,
95.1928

Harmonies

Analogous

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



78.6889, 82.5490, 109.3480



81.8858, 82.5490, 106.2254



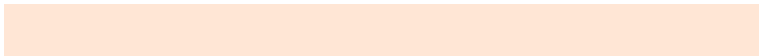
84.2160, 82.5490, 98.6931

Triad

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



81.8858, 82.5490, 106.2254



81.4795, 82.5490, 74.7272



72.2725, 82.5490, 90.5374

Complementary

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



81.8858, 82.5490, 106.2254



88.8973, 97.2470, 89.6906

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.



72.9731, 82.5490, 81.6113



81.8858, 82.5490, 106.2254



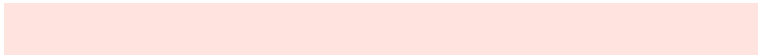
78.2322, 82.5490, 72.8749

Square

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



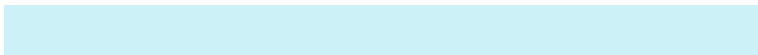
81.8858, 82.5490, 106.2254



83.9768, 82.5490, 80.5537



75.1318, 82.5490, 75.3070



73.1909, 82.5490, 99.9037

Rectangle

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



81.8858, 82.5490, 106.2254



84.9316, 82.5490, 92.4233



75.1318, 82.5490, 75.3070



72.3264, 82.5490, 87.3874

Sweetspot

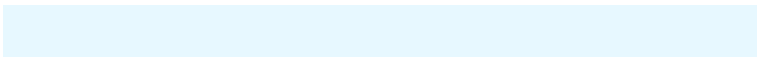
The Sweet Spot groups the original color and five complimentary colors.



81.8880, 82.5524, 106.2260



90.6921, 94.2024, 108.0106



84.6362, 91.4687, 107.8022



19.1681, 19.8396, 23.0691



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.



81.8880, 82.5524, 106.2260



79.8089, 79.8149, 105.8072



85.9806, 84.6622, 106.4175



17.5006, 17.6343, 22.7313



11.0493, 4.6066, 49.7414



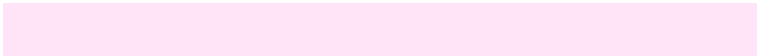
1.1789, 0.5017, 4.8480

Inverse Universe

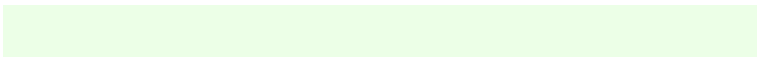
The Inverse Universe completely reimagines the original color for something new.



86.7613, 85.1925, 100.6809



85.4563, 82.8752, 99.3435



84.8446, 95.1577, 89.5009



18.5537, 18.2048, 21.5327



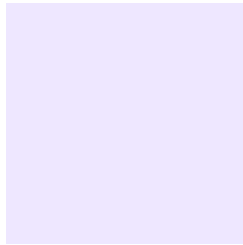
25.9562, 12.8718, 24.2175



2.5749, 1.2723, 2.6088

Previews

White Background



This preview shows how the XYZ color 81.8858, 82.5490, 106.2254 looks on a white background.

Color Contrast Check

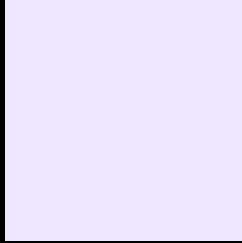
Large Text (above 18pt) WCAG AA × Fail

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 81.8858, 82.5490, 106.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

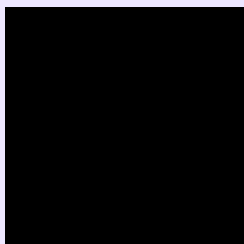
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

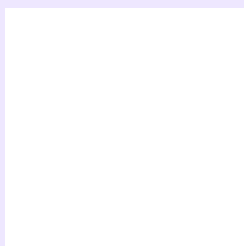
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.8858, 82.5490, 106.2254

Background



This preview shows how black text looks on a background with the XYZ color 81.8858, 82.5490, 106.2254.



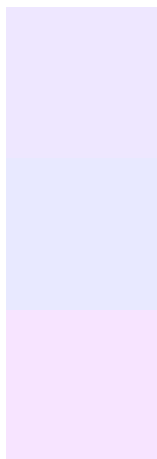
This preview shows how white text looks on a background with the XYZ color 81.8858, 82.5490,

106.2254.

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

81.8858, 82.5490, 106.2254

Protanopia

80.4676, 82.6536, 106.3204

Deuteranopia

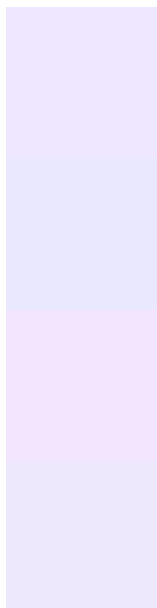
84.1512, 82.4810, 106.0929



Tritanopia

81.0370, 82.6199, 102.1186

Trichromacy



Original Color

81.8858, 82.5490, 106.2254

Protanomaly

80.8383, 82.4257, 106.2568

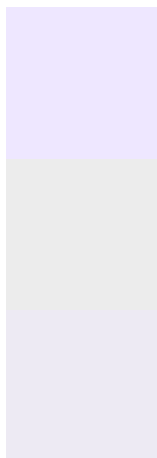
Deuteranomaly

83.3775, 82.4917, 106.1358

Tritanomaly

81.3524, 82.7460, 103.7793

Monochromacy



Original Color

81.8858, 82.5490, 106.2254

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.5255, 83.3212, 96.6325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8858, 82.5490, 106.2254 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.8858, 82.5490, 106.2254 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, 231, 255) }
```


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

```
.border{ border-color:rgb(238, 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(238, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8858, 82.5490, 106.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 231, 255) }
```

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

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