

Converting Colors

XYZ(82.5622, 84.4089,
106.5488)

Have a look what the booklet for
XYZ(82.5622, 84.4089, 106.5488)
contains.

XYZ(82.6834, 84.6412, 106.5872)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(82.6834, 84.6412,
106.5872)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEBFF
RGB	237, 235, 255
RGB Percent	93%, 92%, 100%
CMY	0.0706, 0.0784, 0.0000
CMYK	0.07, 0.08, 0.00, 0.00
HSL	246°, 100%, 96%
HSV	246°, 8%, 100%
XYZ	82.6834, 84.6412, 106.5872
YIQ	237.8780, -5.2280, 6.6440

Conversions

Conversions Part 2

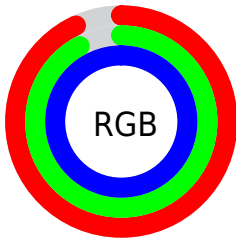
Format	Color
R _Y B	237, 235, 255
Decimal	15592447
CIE Lab	93.73, 4.34, -9.40
CIE LCh	94, 10.351, 294.783
Yxy	84.6412, 0.3019, 0.3090
Android (android.graphics.Color)	4293782527 (0xFFEDEBFF)
YUV	237.8780, 8.4411, -0.7700
Hunter-Lab	92.0007, -0.5785, -4.2899

Details

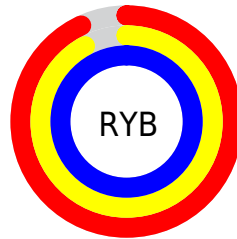
The XYZ color **82.6834, 84.6412, 106.5872** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.2655, 98.4018, 92.7847**, and the grayscale version is **81.1153, 85.3397, 92.9349**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3692, 46.1412, 59.9410** is the 20% darker color. If you saturate the color by 10%, you get **68.7204, 67.3728, 103.9900**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



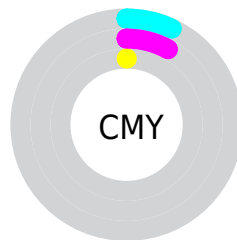
- Red (93%)
- Green (92%)
- Blue (100%)



- Red (93%)
- Yellow (92%)
- Blue (100%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.6834, 84.6412, 106.5872 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 82.6834, 84.6412, 106.5872 by changing the saturation by 10% instead.


 82.6834, 84.6412,
106.5872

 82.6834, 84.6412,
106.5872


492.5307,
510.4401, 602.5378

 62.2450, 63.5450,
81.1656


136.0628,
139.8718, 172.3110

 45.4871, 46.2822,
60.1462

169.7345,
174.7749, 213.4503

 32.0442, 32.4686,
43.1104

208.5481,
215.0491, 260.6659

 21.5509, 21.7197,
29.6397

252.8688,
261.0787, 314.3764

 13.6421, 13.6511,
19.3156

303.0621,
313.2483, 375.0003

 7.9522, 7.8784,
11.7194

359.4932,

 4.1159, 4.0172,

371.9421, 442.9561

6.4327

422.5276,
437.5445, 518.6624

■ 1.7679, 1.6832,
3.0369

■ 0.4982, 0.4127,
1.1135

■ 82.6834, 84.6412,
106.5872

■ 82.6834, 84.6412,
106.5872

■ 68.7204, 67.3728,
103.9900

95.0500, 100.0000,
108.9000

■ 56.7013, 52.5919,
101.7705

■ 46.5418, 40.1869,
99.9116

■ 38.1484, 30.0333,
98.3941

■ 31.4197, 21.9958,
97.1973

■ 26.2439, 15.9239,
96.2981

■ 22.4953, 11.6475,
95.6703

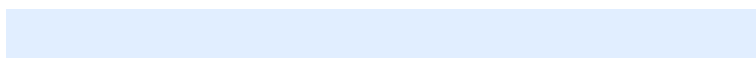
■ 20.0280, 8.9673,
95.2830

■ 18.6575, 7.6219,
95.0956

Harmonies

Analogous

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



79.9696, 84.6412, 108.0599



82.6834, 84.6412, 106.5872



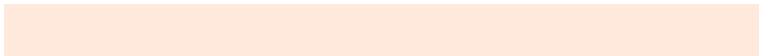
84.8417, 84.6412, 101.1613

Triad

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



82.6834, 84.6412, 106.5872



83.5335, 84.6412, 80.3457



75.3027, 84.6412, 90.7913

Complementary

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



82.6834, 84.6412, 106.5872



91.2655, 98.4018, 92.7847

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.



76.2104, 84.6412, 83.7089



82.6834, 84.6412, 106.5872



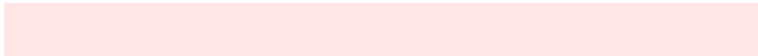
80.9301, 84.6412, 77.9014

Square

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



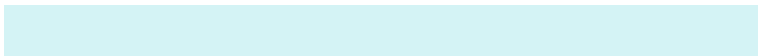
82.6834, 84.6412, 106.5872



85.3403, 84.6412, 85.9632



78.2551, 84.6412, 79.0970



75.7481, 84.6412, 98.6474

Rectangle

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



82.6834, 84.6412, 106.5872



85.6540, 84.6412, 96.1876



78.2551, 84.6412, 79.0970



75.4591, 84.6412, 88.2462

Sweetspot

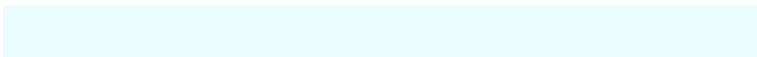
The Sweet Spot groups the original color and five complimentary colors.



82.6856, 84.6447, 106.5878



91.7757, 95.9288, 108.2867



87.5435, 95.3446, 108.3971



19.6781, 20.5753, 23.1842



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.



82.6856, 84.6447, 106.5878



80.9647, 82.5117, 106.2668



86.0010, 86.3538, 106.7430



17.1712, 17.4645, 22.7159



9.7020, 3.9120, 49.6783



0.9980, 0.4084, 4.8395

Inverse Universe

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



88.6801, 87.7719, 105.1991



87.7939, 86.0746, 104.6719



87.8346, 96.6331, 92.6241



18.7099, 18.2673, 22.3553



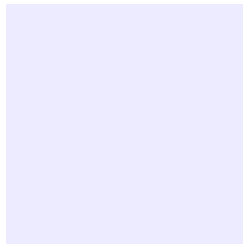
29.0098, 14.0932, 40.2978



2.8463, 1.3809, 4.0379

Previews

White Background



This preview shows how the XYZ color 82.6834, 84.6412, 106.5872 looks on a white background.

Color Contrast Check

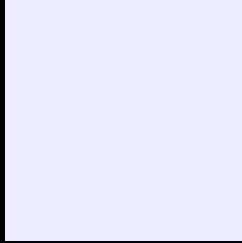
Large Text (above 18pt) WCAG AA × Fail

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 82.6834, 84.6412, 106.5872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

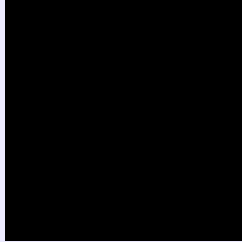
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.6834, 84.6412, 106.5872

Background



This preview shows how black text looks on a background with the XYZ color 82.6834, 84.6412, 106.5872.



This preview shows how white text looks on a background with the XYZ color 82.6834, 84.6412,

106.5872.

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

82.6834, 84.6412, 106.5872

Protanopia

82.3504, 84.4695, 106.5717

Deuteranopia

86.0503, 84.6958, 106.4203



Tritanopia

82.5228, 84.5769, 105.7415

Trichromacy



Original Color

82.6834, 84.6412, 106.5872

Protanomaly

82.3504, 84.4695, 106.5717

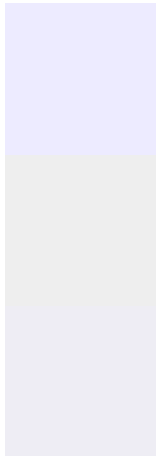
Deuteranomaly

84.5628, 84.3457, 106.4312

Tritanomaly

82.5228, 84.5769, 105.7415

Monochromacy



Original Color

82.6834, 84.6412, 106.5872

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.8732, 85.2772, 97.7329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.6834, 84.6412, 106.5872 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(237, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.6834, 84.6412, 106.5872 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(237, 235, 255) }
```


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

```
.border{ border-color:rgb(237, 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(237, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.6834, 84.6412, 106.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 235, 255) }
```

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

```
.background{ background-color: rgb(237,  
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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