

Converting Colors

XYZ(85.5780, 83.3584, 98.6448)

Have a look what the booklet for
XYZ(85.5780, 83.3584, 98.6448)
contains.

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Color

**XYZ(85.6180, 83.4006,
98.7742)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE4F6
RGB	255, 228, 246
RGB Percent	100%, 89%, 96%
CMY	0.0000, 0.1059, 0.0353
CMYK	0.00, 0.11, 0.04, 0.00
HSL	320°, 100%, 95%
HSV	320°, 11%, 100%
XYZ	85.6180, 83.4006, 98.7742
YIQ	238.1250, 10.3140, 11.3220

Conversions

Conversions Part 2

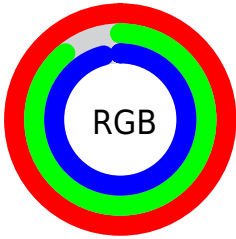
Format	Color
R _Y B	255, 228, 246
Decimal	16770294
CIE Lab	93.19, 12.24, -5.35
CIE LCh	93, 13.361, 336.392
Yxy	83.4006, 0.3197, 0.3114
Android (android.graphics.Color)	4294960374 (0xFFFFE4F6)
YUV	238.1250, 3.8824, 14.7994
Hunter-Lab	91.3239, 7.5304, -0.2002

Details

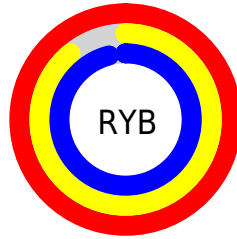
The XYZ color **85.6180, 83.4006, 98.7742** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.0434, 94.1296, 93.9160**, and the grayscale version is **81.3318, 85.5673, 93.1828**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5265, 45.6106, 55.0140** is the 20% darker color. If you saturate the color by 10%, you get **77.8388, 69.8826, 89.8914**, and if you desaturate by 10%, it is **94.4951, 99.0183, 108.3199**.

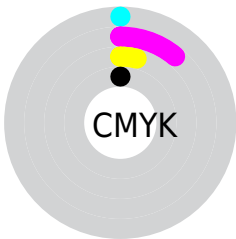
Distribution



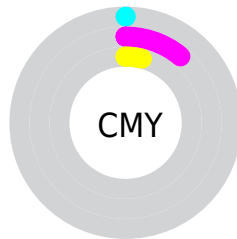
- Red (100%)
- Green (89%)
- Blue (96%)



- Red (100%)
- Yellow (89%)
- Blue (96%)



- Cyan (0%)
- Magenta (11%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.6180, 83.4006, 98.7742 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 85.6180, 83.4006, 98.7742 by changing the saturation by 10% instead.


 85.6180, 83.4006,
98.7742

 85.6180, 83.4006,
98.7742


502.1237,
506.3206, 577.4685

 64.6763, 62.5207,
74.6660


140.1459,
138.1364, 161.5088

 47.4624, 45.4536,
54.8393


174.4628,
172.7611, 200.9723

 33.6108, 31.8148,
38.8753


213.9689,
212.7361, 246.3914

 22.7563, 21.2201,
26.3557

259.0294,
258.4459, 298.1845

 14.5333, 13.2850,
16.8618

310.0098,
310.2749, 356.7702

 8.5767, 7.6251,
9.9751

367.2754,

 4.5210, 3.8560,

368.6074, 422.5671

5.2770

431.1916,
433.8278, 495.9937

■ 2.0009, 1.5933,
2.3491

■ 0.6345, 0.3531,
0.7586

■ 85.6180, 83.4006,
98.7742

■ 85.6180, 83.4006,
98.7742

■ 77.8388, 69.8826,
89.8914

94.4951, 99.0183,
108.3199

■ 71.1063, 58.3638,
81.6470

95.0500, 100.0000,
108.9000

■ 65.3729, 48.7503,
74.0225

■ 60.5853, 40.9367,
66.9959

■ 56.6850, 34.8074,
60.5436

■ 53.6067, 30.2331,
54.6397

■ 51.2757, 27.0656,
49.2548

■ 49.6025, 25.1278,
44.3547

■ 48.4954, 24.1622,
40.1363

Harmonies

Analogous

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



83.3430, 83.4006, 107.2788



85.6180, 83.4006, 98.7742



86.1698, 83.4006, 88.6736

Triad

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



85.6180, 83.4006, 98.7742



78.5206, 83.4006, 72.9183



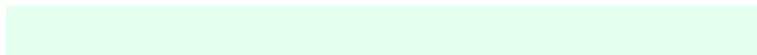
73.9586, 83.4006, 102.7699

Complementary

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



85.6180, 83.4006, 98.7742



83.0434, 94.1296, 93.9160

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.



72.7483, 83.4006, 92.9785



85.6180, 83.4006, 98.7742



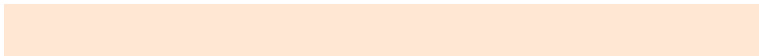
75.3315, 83.4006, 76.1177

Square

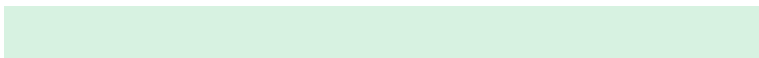
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



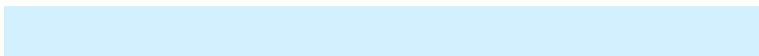
85.6180, 83.4006, 98.7742



82.0042, 83.4006, 74.2201



73.2434, 83.4006, 83.2841



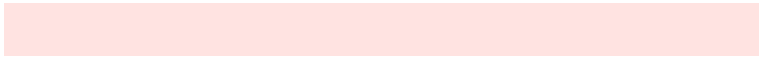
76.5968, 83.4006, 109.7022

Rectangle

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



85.6180, 83.4006, 98.7742



85.4722, 83.4006, 82.4832



73.2434, 83.4006, 83.2841



73.3749, 83.4006, 99.6772

Sweetspot

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



85.6198, 83.4039, 98.7760



92.2500, 95.0526, 105.9546



80.7213, 80.7152, 105.9329



19.5888, 20.0692, 22.5123



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

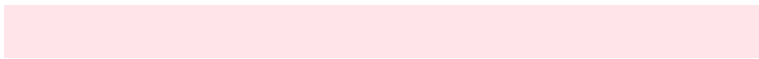
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6198, 83.4039, 98.7760



83.6429, 79.9515, 96.5715



83.6223, 82.6049, 88.2574



18.5201, 18.1914, 21.3562



25.4121, 12.6541, 21.3522



2.5250, 1.2524, 2.3463

Inverse Universe

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



85.6198, 83.4039, 98.7760



83.6429, 79.9515, 96.5715



85.0908, 94.9485, 104.6970



18.5201, 18.1914, 21.3562



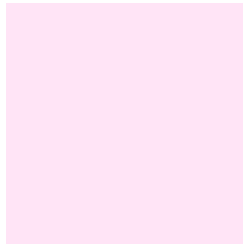
25.4121, 12.6541, 21.3522



2.5250, 1.2524, 2.3463

Previews

White Background



This preview shows how the XYZ color 85.6180, 83.4006, 98.7742 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 85.6180, 83.4006, 98.7742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

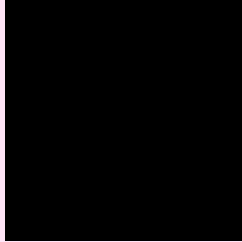
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.6180, 83.4006, 98.7742

Background



This preview shows how black text looks on a background with the XYZ color 85.6180, 83.4006, 98.7742.



This preview shows how white text looks on a background with the XYZ color 85.6180, 83.4006,

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

85.6180, 83.4006, 98.7742

Protanopia

81.2702, 83.5806, 102.2918

Deuteranopia

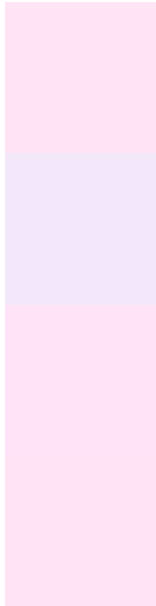
85.2510, 83.2115, 98.7570



Tritanopia

85.6180, 83.4006, 98.7742

Trichromacy



Original Color

85.6180, 83.4006, 98.7742

Protanomaly

82.9176, 83.6075, 101.3902

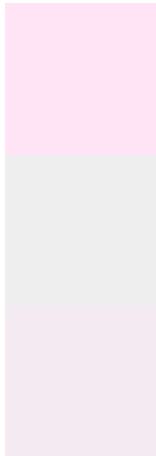
Deuteranomaly

85.2510, 83.2115, 98.7570

Tritanomaly

85.6180, 83.4006, 98.7742

Monochromacy



Original Color

85.6180, 83.4006, 98.7742

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

82.6082, 84.4296, 95.1617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6180, 83.4006, 98.7742 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(255, 228, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 246)  
}
```

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(255, 228, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 246) }
```

Border

The CSS property to change the border of an element to XYZ 85.6180, 83.4006, 98.7742 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(255, 228, 246) }
```


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

```
.border{ border-color:rgb(255, 228, 246) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 228, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6180, 83.4006, 98.7742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 246) }
```

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

```
.background{ background-color: rgb(255,  
228, 246) }
```

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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