

Converting Colors

XYZ(117.2229, 100.0000,
99.1945)

Have a look what the booklet for
XYZ(117.2229, 100.0000, 99.1945)
contains.

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Color

**XYZ(85.7407, 83.8912,
98.0598)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5F5
RGB	255, 229, 245
RGB Percent	100%, 90%, 96%
CMY	0.0000, 0.1019, 0.0392
CMYK	0.00, 0.10, 0.04, 0.00
HSL	323°, 100%, 95%
HSV	323°, 10%, 100%
XYZ	85.7407, 83.8912, 98.0598
YIQ	238.5980, 10.3600, 10.4880

Conversions

Conversions Part 2

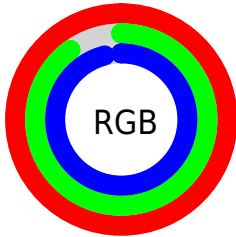
Format	Color
R _Y B	255, 229, 245
Decimal	16770549
CIE Lab	93.40, 11.55, -4.51
CIE LCh	93, 12.403, 338.655
Yxy	83.8912, 0.3203, 0.3134
Android (android.graphics.Color)	4294960629 (0xFFFFE5F5)
YUV	238.5980, 3.1562, 14.3846
Hunter-Lab	91.5921, 6.8101, 0.6378

Details

The XYZ color **85.7407, 83.8912, 98.0598** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.6557, 94.4113, 95.4789**, and the grayscale version is **81.7040, 85.9590, 93.6093**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6101, 45.9520, 54.5044** is the 20% darker color. If you saturate the color by 10%, you get **77.7389, 70.2206, 88.2002**, and if you desaturate by 10%, it is **94.8620, 99.6730, 108.6865**.

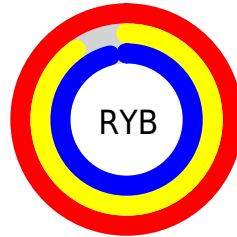
Distribution



Red (100%)

Green (90%)

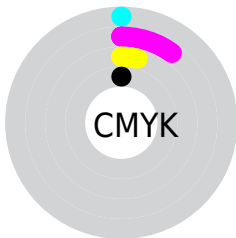
Blue (96%)



Red (100%)

Yellow (90%)

Blue (96%)

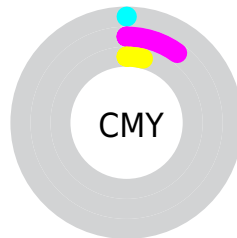


Cyan (0%)

Magenta (10%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.7407, 83.8912, 98.0598 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 85.7407, 83.8912, 98.0598 by changing the saturation by 10% instead.


 85.7407, 83.8912,
98.0598

 85.7407, 83.8912,
98.0598


502.5226,
507.9519, 575.1476

 64.7781, 62.9256,
74.0734


140.3163,
138.8230, 160.5169

 47.5452, 45.7810,
54.3569


174.6600,
173.5579, 199.8246

 33.6766, 32.0731,
38.4920


214.1948,
213.6515, 245.0765

 22.8070, 21.4173,
26.0600

259.2861,
259.4880, 296.6911

 14.5710, 13.4294,
16.6423

310.2991,
311.4520, 355.0870

 8.6032, 7.7249,
9.8206

367.5993,

 4.5383, 3.9194,

369.9276, 420.6827

5.1761

431.5521,
435.2995, 493.8967

■ 2.0109, 1.6286,
2.2904

■ 0.6401, 0.3768,
0.7258

■ 85.7407, 83.8912,
98.0598

■ 85.7407, 83.8912,
98.0598

■ 77.7389, 70.2206,
88.2002

94.8620, 99.6730,
108.6865

■ 70.8047, 58.5604,
79.0810

95.0500, 100.0000,
108.9000

■ 64.8905, 48.8171,
70.6814

■ 59.9425, 40.8852,
62.9770

■ 55.9021, 34.6496,
55.9419

■ 52.7038, 29.9813,
49.5476

■ 50.2728, 26.7329,
43.7624

■ 48.5198, 24.7283,
38.5495

■ 47.3186, 23.6914,
33.9394

Harmonies

Analogous

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



83.7308, 83.8912, 106.1490



85.7407, 83.8912, 98.0598



86.1190, 83.8912, 88.6585

Triad

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



85.7407, 83.8912, 98.0598



78.7930, 83.8912, 74.6630



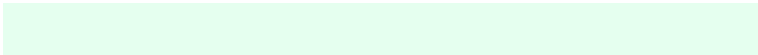
74.9232, 83.8912, 103.0666

Complementary

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



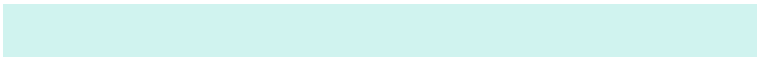
85.7407, 83.8912, 98.0598



83.6557, 94.4113, 95.4789

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.



73.6766, 83.8912, 94.0817



85.7407, 83.8912, 98.0598



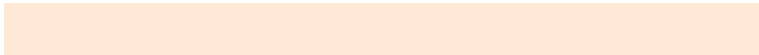
75.8704, 83.8912, 77.9825

Square

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



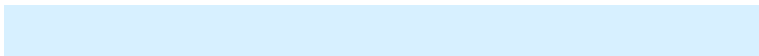
85.7407, 83.8912, 98.0598



82.0480, 83.8912, 75.5677



74.0185, 83.8912, 84.9406



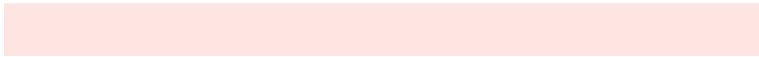
77.4679, 83.8912, 109.1744

Rectangle

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



85.7407, 83.8912, 98.0598



85.3854, 83.8912, 82.9724



74.0185, 83.8912, 84.9406



74.3416, 83.8912, 100.2590

Sweetspot

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



85.7426, 83.8946, 98.0616



92.1877, 95.0277, 105.6266



81.6576, 81.6075, 106.0558



19.5720, 20.0625, 22.4237



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

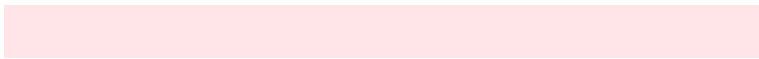
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7426, 83.8946, 98.0616



84.2157, 81.2715, 96.2245



83.8320, 83.1303, 88.0001



18.4792, 18.1750, 21.1407



24.8002, 12.4094, 18.1302



2.4681, 1.2296, 2.0467

Inverse Universe

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



85.7426, 83.8946, 98.0616



84.2157, 81.2715, 96.2245



85.6405, 95.2052, 105.9311



18.4792, 18.1750, 21.1407



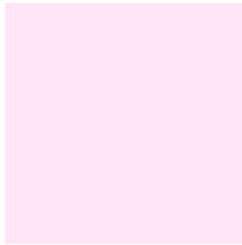
24.8002, 12.4094, 18.1302



2.4681, 1.2296, 2.0467

Previews

White Background



This preview shows how the XYZ color 85.7407, 83.8912, 98.0598 looks on a white background.

Color Contrast Check

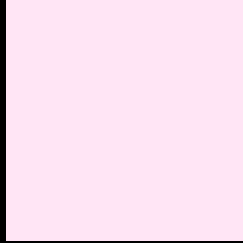
Large Text (above 18pt) WCAG AA × Fail

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 85.7407, 83.8912, 98.0598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

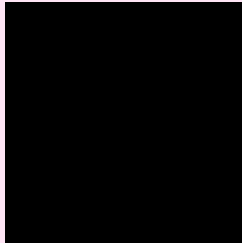
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.7407, 83.8912, 98.0598

Background



This preview shows how black text looks on a background with the XYZ color 85.7407, 83.8912, 98.0598.



This preview shows how white text looks on a background with the XYZ color 85.7407, 83.8912,

98.0598.

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

85.7407, 83.8912, 98.0598

Protanopia

81.5767, 84.1985, 100.7593

Deuteranopia

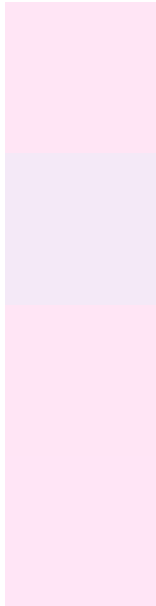
85.7407, 83.8912, 98.0598



Tritanopia

86.0478, 84.0140, 99.6768

Trichromacy



Original Color

85.7407, 83.8912, 98.0598

Protanomaly

83.2356, 84.2263, 99.8660

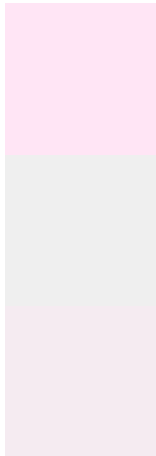
Deuteranomaly

85.7407, 83.8912, 98.0598

Tritanomaly

85.8939, 83.9524, 98.8661

Monochromacy



Original Color

85.7407, 83.8912, 98.0598

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

83.2417, 85.1800, 95.2732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7407, 83.8912, 98.0598 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, 229, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 245)  
}
```

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, 229, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 245) }
```

Border

The CSS property to change the border of an element to XYZ 85.7407, 83.8912, 98.0598 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, 229, 245) }
```


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

```
.border{ border-color:rgb(255, 229, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7407, 83.8912, 98.0598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 245) }
```

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

```
.background{ background-color: rgb(255,  
229, 245) }
```

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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