

Converting Colors

XYZ(87.6749, 88.1337,
106.9983)

Have a look what the booklet for
XYZ(87.6749, 88.1337, 106.9983)
contains.

XYZ(87.7585, 88.1124, 106.9898)	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(87.7585, 88.1124,
106.9898)**

Conversions

Conversions Part 1

Format	Color
Hex	FAEDFF
RGB	250, 237, 255
RGB Percent	98%, 93%, 100%
CMY	0.0196, 0.0706, 0.0000
CMYK	0.02, 0.07, 0.00, 0.00
HSL	283°, 100%, 96%
HSV	283°, 7%, 100%
XYZ	87.7585, 88.1124, 106.9898
YIQ	242.9390, 1.9700, 8.3540

Conversions

Conversions Part 2

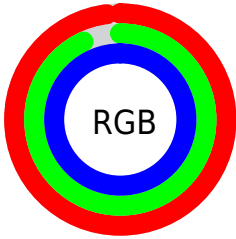
Format	Color
R_{YB}	250, 237, 255
Decimal	16444927
CIE Lab	95.21, 7.53, -7.10
CIE LCh	95, 10.348, 316.709
Yxy	88.1124, 0.3103, 0.3115
Android (android.graphics.Color)	4294635007 (0xFFFAEDFF)
YUV	242.9390, 5.9461, 6.1925
Hunter-Lab	93.8682, 2.6124, -1.8703

Details

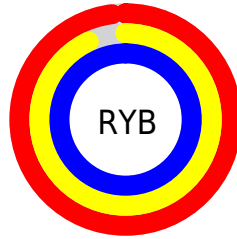
The XYZ color **87.7585, 88.1124, 106.9898** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.6664, 96.5128, 94.1336**, and the grayscale version is **85.0981, 89.5298, 97.4980**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9651, 48.5943, 60.2250** is the 20% darker color. If you saturate the color by 10%, you get **78.4041, 73.1004, 104.5852**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

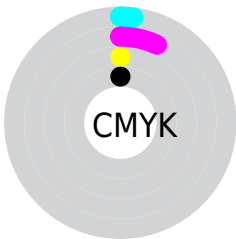
Distribution



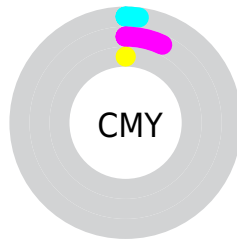
- Red (98%)
- Green (93%)
- Blue (100%)



- Red (98%)
- Yellow (93%)
- Blue (100%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.7585, 88.1124, 106.9898 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 87.7585, 88.1124, 106.9898 by changing the saturation by 10% instead.


 87.7585, 88.1124,
106.9898

 87.7585, 88.1124,
106.9898


509.0593,
521.8712, 603.8147

 66.4532, 66.4162,
81.5014


143.1151,
144.7136, 172.8654

 48.9095, 48.6103,
60.4212


177.8972,
180.3874, 214.0898

 34.7619, 34.3105,
43.3307


217.9022,
221.4892, 261.3965

 23.6452, 23.1322,
29.8114

263.4956,
268.4033, 315.2041

 15.1939, 14.6912,
19.4446

315.0426,
321.5141, 375.9312

 9.0428, 8.6029,
11.8119

372.9087,

 4.8264, 4.4831,

381.2062, 443.9963

6.4948

437.4591,
447.8637, 519.8179

■ 2.1795, 1.9473,
3.0746

■ 0.7319, 0.5766,
1.1328

■ 87.7585, 88.1124,
106.9898

■ 87.7585, 88.1124,
106.9898

■ 78.4041, 73.1004,
104.5852

95.0500, 100.0000,
108.9000

■ 70.1474, 60.1449,
102.5197

■ 62.9425, 49.1545,
100.7781

■ 56.7374, 40.0268,
99.3433

■ 51.4752, 32.6498,
98.1967

■ 47.0931, 26.8992,
97.3177

■ 43.5198, 22.6343,
96.6829

■ 40.6716, 19.6895,
96.2646

■ 38.4421, 17.8535,
96.0277

Harmonies

Analogous

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



85.3173, 88.1124, 111.5994



87.7585, 88.1124, 106.9898



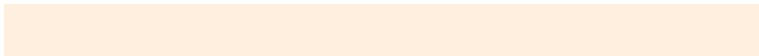
89.1385, 88.1124, 99.5549

Triad

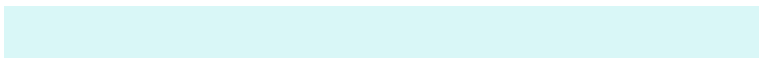
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7585, 88.1124, 106.9898



85.0013, 88.1124, 81.6021



78.6600, 88.1124, 100.4752

Complementary

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



87.7585, 88.1124, 106.9898



87.6664, 96.5128, 94.1336

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.



78.5797, 88.1124, 92.4125



87.7585, 88.1124, 106.9898



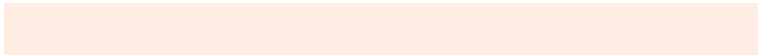
82.1984, 88.1124, 81.8176

Square

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



87.7585, 88.1124, 106.9898



87.5227, 88.1124, 85.0712



79.8620, 88.1124, 85.6774



80.0838, 88.1124, 107.6960

Rectangle

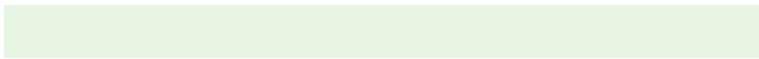
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7585, 88.1124, 106.9898



89.2512, 88.1124, 94.1360



79.8620, 88.1124, 85.6774



78.4761, 88.1124, 97.7657

Sweetspot

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



87.7608, 88.1161, 106.9904



92.9253, 96.5214, 108.3405



84.7602, 88.7919, 107.2789



19.9121, 20.6960, 23.1952



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.



87.7608, 88.1161, 106.9904



86.8298, 86.6089, 106.7485



88.9545, 88.8032, 103.8028



18.2719, 18.0319, 22.7674



19.9333, 9.1865, 50.1571



2.0469, 0.9491, 4.8886

Inverse Universe

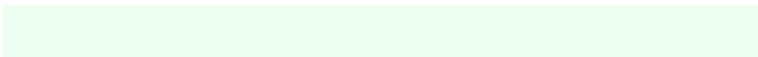
The Inverse Universe completely reimagines the original color for something new.



87.5536, 88.2429, 96.4258



86.6018, 86.7550, 94.8270



86.5500, 95.8707, 97.0876



18.2167, 18.0700, 19.7583



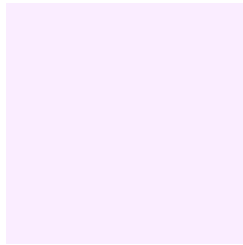
22.1943, 11.3670, 4.4076



2.2049, 1.1244, 0.6607

Previews

White Background



This preview shows how the XYZ color 87.7585, 88.1124, 106.9898 looks on a white background.

Color Contrast Check

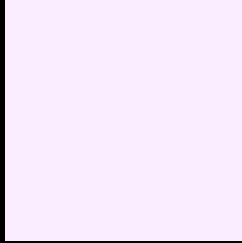
Large Text (above 18pt) WCAG AA × Fail

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 87.7585, 88.1124, 106.9898 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 87.7585, 88.1124, 106.9898

Background



This preview shows how black text looks on a background with the XYZ color 87.7585, 88.1124, 106.9898.



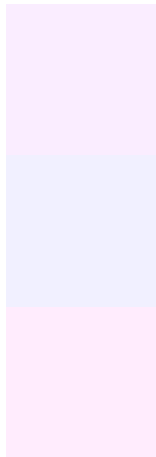
This preview shows how white text looks on a background with the XYZ color 87.7585, 88.1124,

106.9398.

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

87.7585, 88.1124, 106.9898

Protanopia

85.4857, 88.2409, 107.1344

Deuteranopia

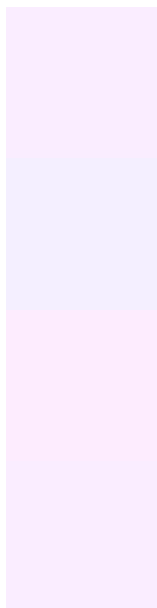
88.9651, 88.3428, 105.2914



Tritanopia

87.7585, 88.1124, 106.9898

Trichromacy



Original Color

87.7585, 88.1124, 106.9898

Protanomaly

86.2247, 88.1861, 107.0848

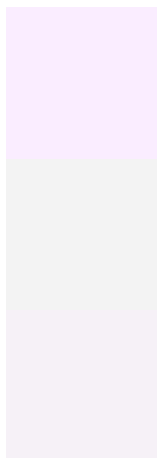
Deuteranomaly

88.3929, 88.0293, 106.0985

Tritanomaly

87.7585, 88.1124, 106.9898

Monochromacy



Original Color

87.7585, 88.1124, 106.9898

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

86.2498, 89.2188, 100.6708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7585, 88.1124, 106.9898 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(250, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 237, 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(250, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.7585, 88.1124, 106.9898 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(250, 237, 255) }
```


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

```
.border{ border-color:rgb(250, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7585, 88.1124, 106.9898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 237, 255) }
```

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

```
.background{ background-color: rgb(250,  
237, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor