

Converting Colors

XYZ(87.5233, 86.9688,
106.7814)

Have a look what the booklet for
XYZ(87.5233, 86.9688, 106.7814)
contains.

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Color

**XYZ(87.5420, 87.1459,
106.8146)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>FBEBFF</code>
RGB	<code>251, 235, 255</code>
RGB Percent	<code>98%, 92%, 100%</code>
CMY	<code>0.0157, 0.0784, 0.0000</code>
CMYK	<code>0.02, 0.08, 0.00, 0.00</code>
HSL	<code>288°, 100%, 96%</code>
HSV	<code>288°, 8%, 100%</code>
XYZ	<code>87.5420, 87.1459, 106.8146</code>
YIQ	<code>242.0640, 3.1160, 9.6120</code>

Conversions

Conversions Part 2

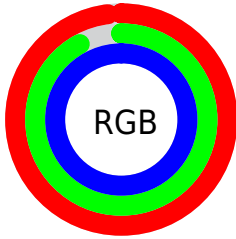
Format	Color
R_{YB}	251, 235, 255
Decimal	16509951
CIE _{Lab}	94.80, 8.89, -7.69
CIE _{LCh}	95, 11.755, 319.139
Yxy	87.1459, 0.3110, 0.3096
Android (android.graphics.Color)	4294700031 (0xFFFFBEBFF)
YUV	242.0640, 6.3774, 7.8369
Hunter-Lab	93.3520, 4.0247, -2.4941

Details

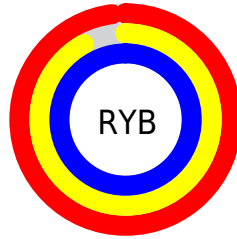
The XYZ color **87.5420, 87.1459, 106.8146** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.3542, 95.8699, 92.5551**, and the grayscale version is **84.4002, 88.7956, 96.6984**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5613, 47.7868, 60.0904** is the 20% darker color. If you saturate the color by 10%, you get **78.9466, 72.6447, 104.4686**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

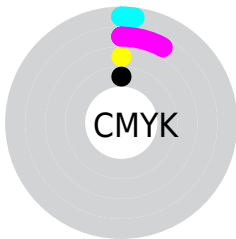
Distribution



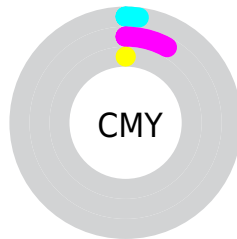
- Red (98%)
- Green (92%)
- Blue (100%)



- Red (98%)
- Yellow (92%)
- Blue (100%)



- Cyan (2%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5420, 87.1459, 106.8146 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 87.5420, 87.1459, 106.8146 by changing the saturation by 10% instead.

87.5420, 87.1459,
106.8146

87.5420, 87.1459,
106.8146

508.3601,
518.7022, 603.2592

66.2734, 65.6160,
81.3553

142.8151,
143.3675, 172.6242

48.7629, 47.9607,
60.3015

177.5504,
178.8279, 213.8115

34.6452, 33.7958,
43.2348

217.5052,
219.7006, 261.0786

23.5549, 22.7367,
29.7366

263.0449,
266.3700, 314.8440

15.1267, 14.3992,
19.3884

314.5349,
319.2204, 375.5262

8.9953, 8.3989,
11.7716

372.3405,

4.7952, 4.3512,

378.6364, 443.5438

6.4677

436.8271,
445.0021, 519.3153

■ 2.1611, 1.8719,
3.0582

■ 0.7221, 0.5314,
1.1244

■ 87.5420, 87.1459,
106.8146

■ 87.5420, 87.1459,
106.8146

■ 78.9466, 72.6447,
104.4686

95.0500, 100.0000,
108.9000

■ 71.4002, 60.1696,
102.4584

■ 64.8572, 49.6289,
100.7687

■ 59.2659, 40.9199,
99.3824

■ 54.5698, 33.9301,
98.2808

■ 50.7061, 28.5346,
97.4430

■ 47.6034, 24.5912,
96.8453

■ 45.1777, 21.9325,
96.4600

■ 43.3166, 20.3341,
96.2496

Harmonies

Analogous

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



84.8511, 87.1459, 112.4163



87.5420, 87.1459, 106.8146



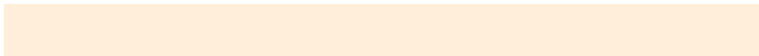
88.9827, 87.1459, 98.2262

Triad

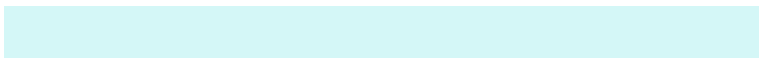
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5420, 87.1459, 106.8146



83.9874, 87.1459, 78.7027



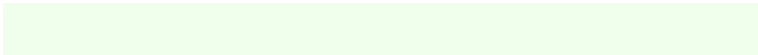
77.1846, 87.1459, 100.7468

Complementary

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



87.5420, 87.1459, 106.8146



86.3542, 95.8699, 92.5551

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.



76.9668, 87.1459, 91.6245



87.5420, 87.1459, 106.8146



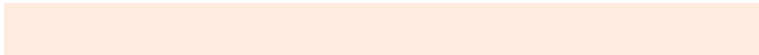
80.8404, 87.1459, 79.2819

Square

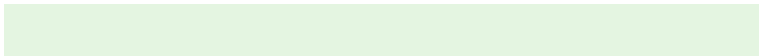
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5420, 87.1459, 106.8146



86.8958, 87.1459, 82.2461



78.2894, 87.1459, 83.8823



78.8922, 87.1459, 108.7611

Rectangle

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



87.5420, 87.1459, 106.8146



89.0162, 87.1459, 92.1320



78.2894, 87.1459, 83.8823



76.9364, 87.1459, 97.6965

Sweetspot

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



87.5443, 87.1495, 106.8152



93.0703, 96.5962, 108.3473



83.1807, 86.6189, 106.9428



19.9416, 20.7112, 23.1966



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.



87.5443, 87.1495, 106.8152



86.4924, 85.3613, 106.5255



88.0491, 87.5197, 101.8763



18.4159, 18.1061, 22.7742



22.5695, 10.5455, 50.2805



2.2837, 1.0712, 4.8997

Inverse Universe

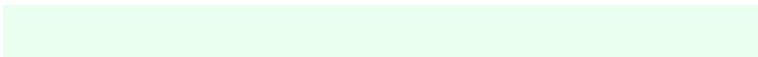
The Inverse Universe completely reimagines the original color for something new.



86.5306, 86.9122, 93.8796



85.3441, 85.0947, 91.7716



85.9007, 95.5343, 97.1348



18.1579, 18.0465, 19.4484



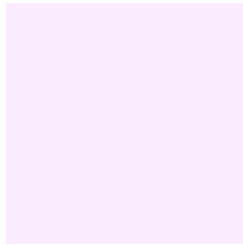
21.9026, 11.2503, 2.8716



2.1692, 1.1100, 0.4722

Previews

White Background



This preview shows how the XYZ color 87.5420, 87.1459, 106.8146 looks on a white background.

Color Contrast Check

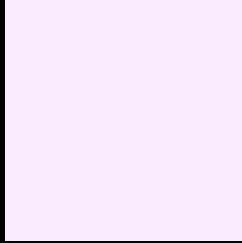
Large Text (above 18pt) WCAG AA × Fail

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 87.5420, 87.1459, 106.8146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

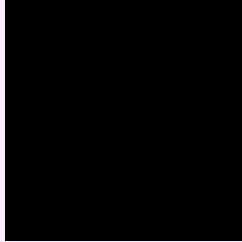
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.5420, 87.1459, 106.8146

Background



This preview shows how black text looks on a background with the XYZ color 87.5420, 87.1459, 106.8146.



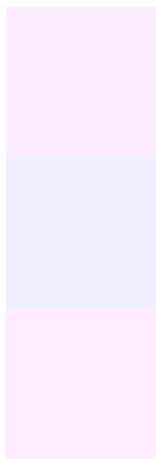
This preview shows how white text looks on a background with the XYZ color 87.5420, 87.1459,

106.8146.

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

87.5420, 87.1459, 106.8146

Protanopia

84.5131, 87.3037, 107.0047

Deuteranopia

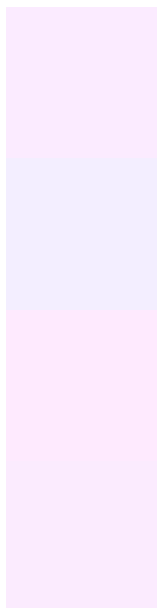
88.5522, 87.2614, 105.9419



Tritanopia

87.3814, 87.0816, 105.9689

Trichromacy



Original Color

87.5420, 87.1459, 106.8146

Protanomaly

85.5867, 87.4238, 106.9713

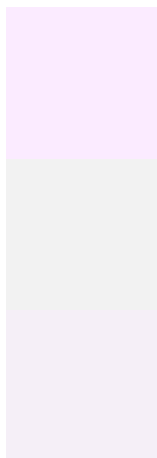
Deuteranomaly

88.1853, 87.0722, 105.9247

Tritanomaly

87.3814, 87.0816, 105.9689

Monochromacy



Original Color

87.5420, 87.1459, 106.8146

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.3112, 87.8609, 100.4582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.5420, 87.1459, 106.8146 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(251, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.5420, 87.1459, 106.8146 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(251, 235, 255) }
```


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

```
.border{ border-color:rgb(251, 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(251, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.5420, 87.1459, 106.8146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 235, 255) }
```

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

```
.background{ background-color: rgb(251,  
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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