

Converting Colors

XYZ(87.6601, 88.0711,
112.2133)

Have a look what the booklet for
XYZ(87.6601, 88.0711, 112.2133)
contains.

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Color

**XYZ(86.6920, 87.5625,
106.9398)**

Conversions

Conversions Part 1

Format	Color
Hex	F7EDFF
RGB	247, 237, 255
RGB Percent	97%, 93%, 100%
CMY	0.0314, 0.0706, 0.0000
CMYK	0.03, 0.07, 0.00, 0.00
HSL	273°, 100%, 96%
HSV	273°, 7%, 100%
XYZ	86.6920, 87.5625, 106.9398
YIQ	242.0420, 0.1820, 7.7180

Conversions

Conversions Part 2

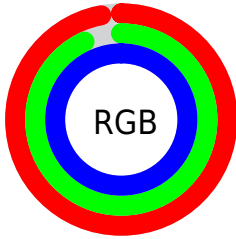
Format	Color
R _Y B	247, 237, 255
Decimal	16248319
CIE Lab	94.98, 6.55, -7.46
CIE LCh	95, 9.932, 311.272
Yxy	87.5625, 0.3083, 0.3114
Android (android.graphics.Color)	4294438399 (0xFF7EDFF)
YUV	242.0420, 6.3883, 4.3482
Hunter-Lab	93.5748, 1.6146, -2.2558

Details

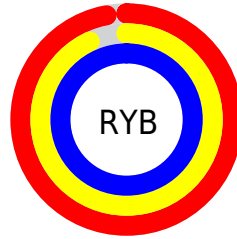
The XYZ color **86.6920, 87.5625, 106.9398** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.7043, 97.0479, 94.1820**, and the grayscale version is **84.3844, 88.7789, 96.6803**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2028, 48.2013, 60.1893** is the 20% darker color. If you saturate the color by 10%, you get **75.9520, 71.8363, 104.4704**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

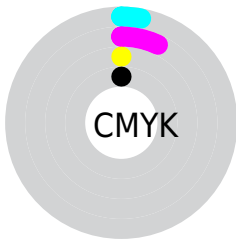
Distribution



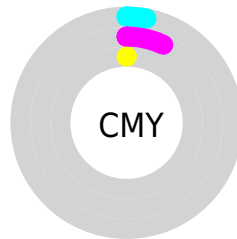
- Red (97%)
- Green (93%)
- Blue (100%)



- Red (97%)
- Yellow (93%)
- Blue (100%)



- Cyan (3%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.6920, 87.5625, 106.9398 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 86.6920, 87.5625, 106.9398 by changing the saturation by 10% instead.

86.6920, 87.5625,
106.9398

86.6920, 87.5625,
106.9398

505.6100,
520.0695, 603.6562

65.5675, 65.9608,
81.4597

141.6366,
143.9479, 172.7966

48.1878, 48.2406,
60.3871

176.1875,
179.5004, 214.0104

34.1875, 34.0174,
43.3034

215.9446,
220.4720, 261.3058

23.2013, 22.9070,
29.7900

261.2731,
267.2470, 315.1013

14.8637, 14.5249,
19.4286

312.5386,
320.2098, 375.8156

8.8095, 8.4866,
11.8004

370.1064,

4.6732, 4.4079,

379.7449, 443.8672

6.4870

434.3417,
446.2367, 519.6745

■ 2.0896, 1.9042,
3.0699

■ 0.6836, 0.5509,
1.1304

■ 86.6920, 87.5625,
106.9398

■ 86.6920, 87.5625,
106.9398

■ 75.9520, 71.8363,
104.4704

95.0500, 100.0000,
108.9000

■ 66.4542, 58.2409,
102.3468

■ 58.1493, 46.6834,
100.5537

■ 50.9816, 37.0596,
99.0739

■ 44.8910, 29.2554,
97.8886

■ 39.8108, 23.1450,
96.9769

■ 35.6657, 18.5854,
96.3153

■ 32.3683, 15.4089,
95.8760

■ 29.8079, 13.4023,
95.6236

Harmonies

Analogous

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



84.2429, 87.5625, 110.6542



86.6920, 87.5625, 106.9398



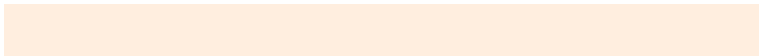
88.2321, 87.5625, 100.1873

Triad

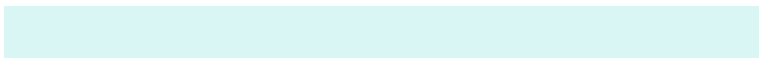
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6920, 87.5625, 106.9398



84.9011, 87.5625, 81.9605



78.2445, 87.5625, 98.2721

Complementary

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



86.6920, 87.5625, 106.9398



88.7043, 97.0479, 94.1820

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.



78.4121, 87.5625, 90.6529



86.6920, 87.5625, 106.9398



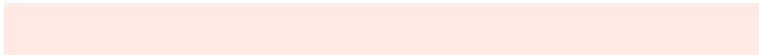
82.2164, 87.5625, 81.5095

Square

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



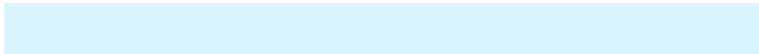
86.6920, 87.5625, 106.9398



87.1828, 87.5625, 85.8792



79.8527, 87.5625, 84.6121



79.3899, 87.5625, 105.4728

Rectangle

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



86.6920, 87.5625, 106.9398



88.5164, 87.5625, 95.0115



79.8527, 87.5625, 84.6121



78.1498, 87.5625, 95.6706

Sweetspot

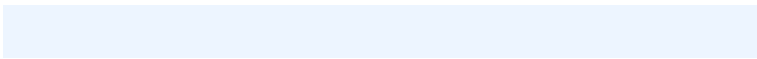
The Sweet Spot groups the original color and five complimentary colors.



86.6943, 87.5661, 106.9404



92.6155, 96.3617, 108.3260



85.6605, 90.5927, 107.5791



19.8491, 20.6635, 23.1922



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.



86.6943, 87.5661, 106.9404



85.6264, 85.9886, 106.6922



89.4313, 88.9938, 106.3141



17.9681, 17.8753, 22.7532



15.4046, 6.8518, 49.9452



1.6256, 0.7320, 4.8689

Inverse Universe

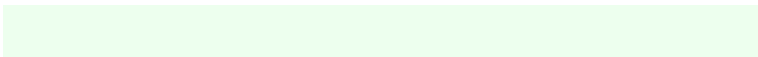
The Inverse Universe completely reimagines the original color for something new.



88.0078, 88.4244, 98.8182



87.1126, 86.9593, 97.5167



86.1056, 95.6930, 94.7483



18.3449, 18.1213, 20.4331



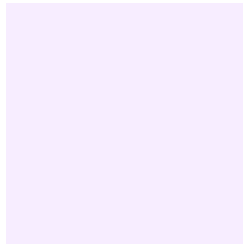
23.1887, 11.7648, 9.6440



2.3118, 1.1671, 1.2232

Previews

White Background



This preview shows how the XYZ color 86.6920, 87.5625, 106.9398 looks on a white background.

Color Contrast Check

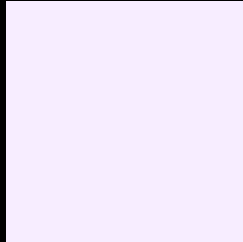
Large Text (above 18pt) WCAG AA × Fail

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 86.6920, 87.5625, 106.9398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

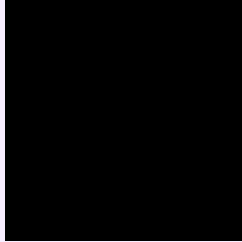
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.6920, 87.5625, 106.9398

Background



This preview shows how black text looks on a background with the XYZ color 86.6920, 87.5625, 106.9398.



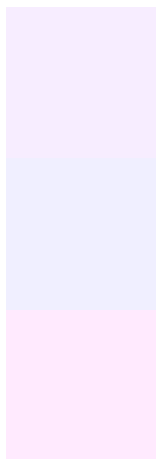
This preview shows how white text looks on a background with the XYZ color 86.6920, 87.5625,

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

86.6920, 87.5625, 106.9398

Protanopia

84.8517, 87.4783, 107.0206

Deuteranopia

88.5522, 87.2614, 105.9419



Tritanopia

86.6920, 87.5625, 106.9398

Trichromacy



Original Color

86.6920, 87.5625, 106.9398

Protanomaly

85.5867, 87.4238, 106.9713

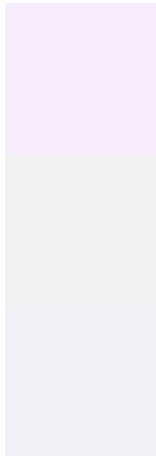
Deuteranomaly

87.7426, 87.2679, 105.9858

Tritanomaly

86.6920, 87.5625, 106.9398

Monochromacy



Original Color

86.6920, 87.5625, 106.9398

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.2568, 88.2687, 100.5397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.6920, 87.5625, 106.9398 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(247, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.6920, 87.5625, 106.9398 is called "border". The border property can be set on classes, ids or directly on the HTML element.

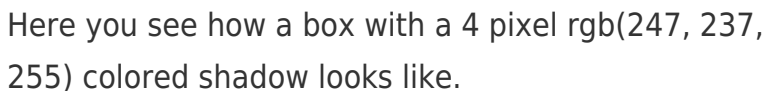
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 237, 255) }
```


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

```
.border{ border-color:rgb(247, 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(247, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 237, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 237, 255); box-shadow:4px 4px 4px 4px rgb(247, 237, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.6920, 87.5625, 106.9398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 237, 255) }
```

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

```
.background{ background-color: rgb(247,  
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](#).

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