

Converting Colors

XYZ(87.1278, 88.3340,
107.0658)

Have a look what the booklet for
XYZ(87.1278, 88.3340, 107.0658)
contains.

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Color

**XYZ(86.9823, 88.1432,
107.0366)**

Conversions

Conversions Part 1

Format	Color
Hex	F7EEFF
RGB	247, 238, 255
RGB Percent	97%, 93%, 100%
CMY	0.0314, 0.0666, 0.0000
CMYK	0.03, 0.07, 0.00, 0.00
HSL	272°, 100%, 97%
HSV	272°, 7%, 100%
XYZ	86.9823, 88.1432, 107.0366
YIQ	242.6290, -0.0930, 7.1950

Conversions

Conversions Part 2

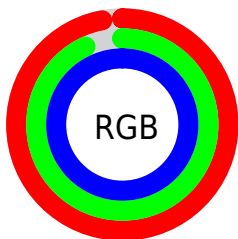
Format	Color
R _{YB}	247, 238, 255
Decimal	16248575
CIE Lab	95.22, 6.04, -7.10
CIE LCh	95, 9.321, 310.363
Yxy	88.1432, 0.3083, 0.3124
Android (android.graphics.Color)	4294438655 (0xFF7EEFF)
YUV	242.6290, 6.0989, 3.8334
Hunter-Lab	93.8846, 1.0788, -1.8765

Details

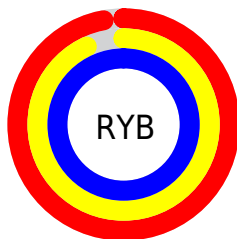
The XYZ color **86.9823, 88.1432, 107.0366** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.2008, 97.2869, 94.9702**, and the grayscale version is **84.8518, 89.2707, 97.2158**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4068, 48.6095, 60.2573** is the 20% darker color. If you saturate the color by 10%, you get **75.9812, 72.2225, 104.5434**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

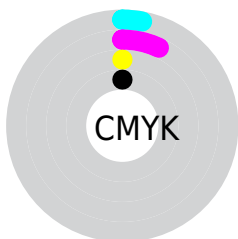
Distribution



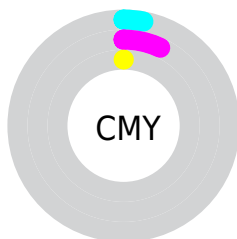
- Red (97%)
- Green (93%)
- Blue (100%)



- 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 86.9823, 88.1432, 107.0366 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 86.9823, 88.1432, 107.0366 by changing the saturation by 10% instead.


 86.9823, 88.1432,
107.0366

 86.9823, 88.1432,
107.0366


506.5501,
521.9721, 603.9630

 65.8085, 66.4417,
81.5404


142.0393,
144.7565, 172.9299

 48.3841, 48.6310,
60.4532


176.6532,
180.4371, 214.1641

 34.3437, 34.3269,
43.3563


216.4778,
221.5461, 261.4814

 23.3219, 23.1448,
29.8313

261.8786,
268.4680, 315.3003

 14.9534, 14.7005,
19.4596

313.2209,
321.5871, 376.0394

 8.8728, 8.6094,
11.8227

370.8700,

 4.7147, 4.4873,

381.2879, 444.1171

6.5020

435.1913,
447.9548, 519.9522

■ 2.1139, 1.9497,
3.0790

■ 0.6968, 0.5780,
1.1351

■ 86.9823, 88.1432,
107.0366

■ 86.9823, 88.1432,
107.0366

■ 75.9812, 72.2225,
104.5434

95.0500, 100.0000,
108.9000

■ 66.2528, 58.4509,
102.3980

■ 57.7469, 46.7355,
100.5850

■ 50.4073, 36.9716,
99.0872

■ 44.1731, 29.0455,
97.8859

■ 38.9769, 22.8312,
96.9603

■ 34.7429, 18.1860,
96.2868

■ 31.3832, 14.9429,
95.8379

■ 28.7882, 12.8928,
95.5790

Harmonies

Analogous

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



84.6596, 88.1432, 110.4087



86.9823, 88.1432, 107.0366



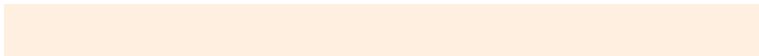
88.4648, 88.1432, 100.7534

Triad

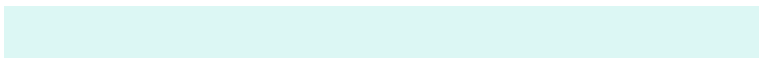
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9823, 88.1432, 107.0366



85.4305, 88.1432, 83.3858



79.0618, 88.1432, 98.5126

Complementary

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



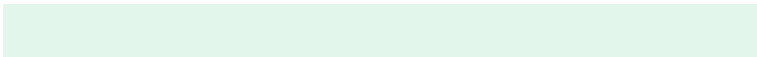
86.9823, 88.1432, 107.0366



89.2008, 97.2869, 94.9702

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.



79.2587, 88.1432, 91.3461



86.9823, 88.1432, 107.0366



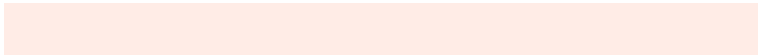
82.9015, 88.1432, 82.8537

Square

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



86.9823, 88.1432, 107.0366



87.5564, 88.1432, 87.1915



80.6523, 88.1432, 85.6992



80.1089, 88.1432, 105.3251

Rectangle

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



86.9823, 88.1432, 107.0366



88.7598, 88.1432, 95.8843



80.6523, 88.1432, 85.6992



78.9852, 88.1432, 96.0617

Sweetspot

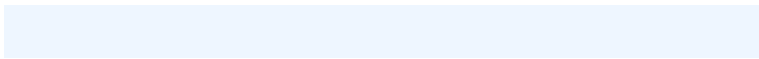
The Sweet Spot groups the original color and five complimentary colors.



86.9846, 88.1469, 107.0372



92.5670, 96.3367, 108.3238



86.3344, 91.4433, 107.7078



19.8392, 20.6584, 23.1918



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.



86.9846, 88.1469, 107.0372



85.4395, 85.8922, 106.6834



89.8206, 89.6141, 106.9321



17.9210, 17.8510, 22.7510



14.8253, 6.5532, 49.9181



1.5697, 0.7031, 4.8663

Inverse Universe

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



88.4513, 89.0664, 99.7215



87.1936, 86.9917, 97.9435



86.4969, 95.8882, 95.0610



18.3652, 18.1294, 20.5405



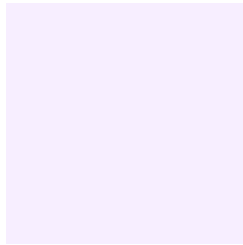
23.3946, 11.8472, 10.7286



2.3325, 1.1754, 1.3324

Previews

White Background



This preview shows how the XYZ color 86.9823, 88.1432, 107.0366 looks on a white background.

Color Contrast Check

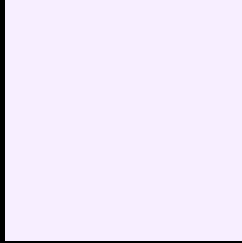
Large Text (above 18pt) WCAG AA × Fail

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 86.9823, 88.1432, 107.0366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

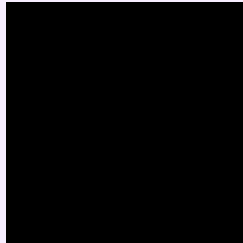
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

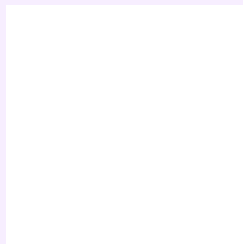
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.9823, 88.1432, 107.0366

Background



This preview shows how black text looks on a background with the XYZ color 86.9823, 88.1432, 107.0366.



This preview shows how white text looks on a background with the XYZ color 86.9823, 88.1432,

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

86.9823, 88.1432, 107.0366

Protanopia

85.4857, 88.2409, 107.1344

Deuteranopia

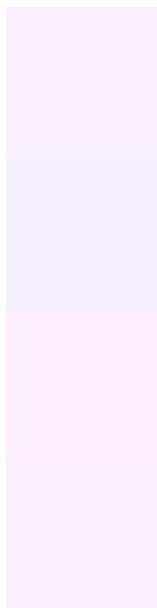
88.9651, 88.3428, 105.2914



Tritanopia

86.9823, 88.1432, 107.0366

Trichromacy



Original Color

86.9823, 88.1432, 107.0366

Protanomaly

85.8787, 88.0077, 107.0686

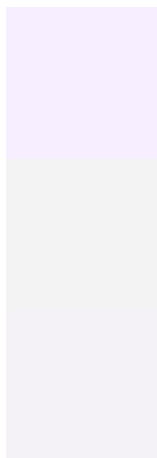
Deuteranomaly

88.3185, 88.4196, 106.1777

Tritanomaly

86.9823, 88.1432, 107.0366

Monochromacy



Original Color

86.9823, 88.1432, 107.0366

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.5520, 88.8591, 100.6381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9823, 88.1432, 107.0366 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 238, 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, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.9823, 88.1432, 107.0366 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, 238, 255) }
```


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

```
.border{ border-color:rgb(247, 238, 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, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9823, 88.1432, 107.0366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 238, 255) }
```

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

```
.background{ background-color: rgb(247,  
238, 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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