

Converting Colors

XYZ(87.8358, 89.1466,
107.1853)

Have a look what the booklet for
XYZ(87.8358, 89.1466, 107.1853)
contains.

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Color

**XYZ(87.6279, 88.9095,
107.1505)**

Conversions

Conversions Part 1

Format	Color
Hex	F8EFFF
RGB	248, 239, 255
RGB Percent	97%, 94%, 100%
CMY	0.0274, 0.0627, 0.0000
CMYK	0.03, 0.06, 0.00, 0.00
HSL	274°, 100%, 97%
HSV	274°, 6%, 100%
XYZ	87.6279, 88.9095, 107.1505
YIQ	243.5150, 0.2280, 6.8840

Conversions

Conversions Part 2

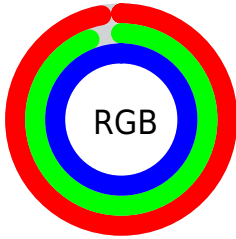
Format	Color
R _Y B	248, 239, 255
Decimal	16314367
CIE Lab	95.54, 5.85, -6.62
CIE LCh	96, 8.833, 311.469
Yxy	88.9095, 0.3089, 0.3134
Android (android.graphics.Color)	4294504447 (0xFF8E8E8E)
YUV	243.5150, 5.6621, 3.9333
Hunter-Lab	94.2918, 0.8741, -1.3711

Details

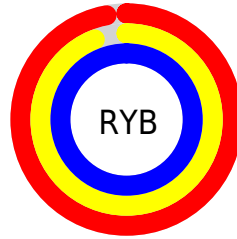
The XYZ color **87.6279, 88.9095, 107.1505** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.3483, 97.3459, 95.7464**, and the grayscale version is **85.5599, 90.0157, 98.0271**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8648, 49.1507, 60.3377** is the 20% darker color. If you saturate the color by 10%, you get **76.8447, 73.0411, 104.6559**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

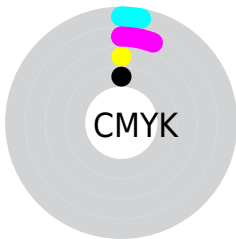
Distribution



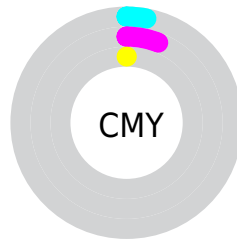
- Red (97%)
- Green (94%)
- Blue (100%)



- Red (97%)
- Yellow (94%)
- Blue (100%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.6279, 88.9095, 107.1505 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 87.6279, 88.9095, 107.1505 by changing the saturation by 10% instead.


 87.6279, 88.9095,
107.1505

 87.6279, 88.9095,
107.1505


508.6376,
524.4771, 604.3240

 66.3447, 67.0765,
81.6354

142.9342,
145.8227, 173.0867

 48.8210, 49.1468,
60.5310


177.6880,
181.6718, 214.3449

 34.6915, 34.7360,
43.4187


217.6627,
222.9616, 261.6879

 23.5907, 23.4596,
29.8799

263.2237,
270.0767, 315.5343

 15.1534, 14.9332,
19.4962

314.7363,
323.4014, 376.3025

 9.0141, 8.7725,
11.8489

372.5660,

 4.8076, 4.5931,

383.3201, 444.4112

6.5196

437.0779,
450.2172, 520.2788

■ 2.1684, 2.0106,
3.0897

■ 0.7260, 0.6136,
1.1406

■ 87.6279, 88.9095,
107.1505

■ 87.6279, 88.9095,
107.1505

■ 76.8447, 73.0411,
104.6559

95.0500, 100.0000,
108.9000

■ 67.3003, 59.3071,
102.5080

■ 58.9458, 47.6151,
100.6916

■ 51.7264, 37.8617,
99.1895

■ 45.5822, 29.9340,
97.9831

■ 40.4475, 23.7071,
97.0518

■ 36.2481, 19.0397,
96.3723

■ 32.8980, 15.7669,
95.9171

■ 30.2907, 13.6835,
95.6524

Harmonies

Analogous

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



85.4354, 88.9095, 110.4775



87.6279, 88.9095, 107.1505



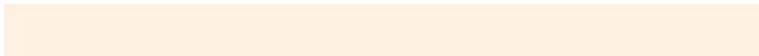
88.9994, 88.9095, 101.1089

Triad

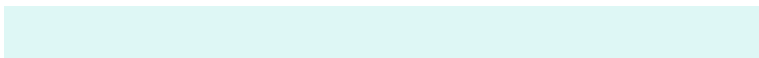
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6279, 88.9095, 107.1505



85.9947, 88.9095, 84.7025



80.0228, 88.9095, 99.4841

Complementary

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



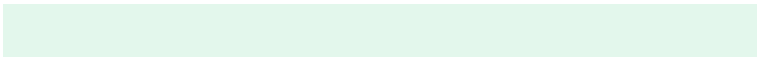
87.6279, 88.9095, 107.1505



89.3483, 97.3459, 95.7464

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.



80.1661, 88.9095, 92.6296



87.6279, 88.9095, 107.1505



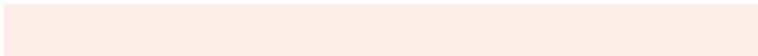
83.5830, 88.9095, 84.3141

Square

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



87.6279, 88.9095, 107.1505



88.0441, 88.9095, 88.2398



81.4588, 88.9095, 87.1522



81.0636, 88.9095, 105.9123

Rectangle

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



87.6279, 88.9095, 107.1505



89.2480, 88.9095, 96.4657



81.4588, 88.9095, 87.1522



79.9347, 88.9095, 97.1498

Sweetspot

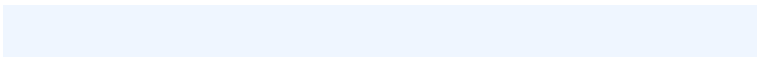
The Sweet Spot groups the original color and five complimentary colors.



87.6302, 88.9132, 107.1511



92.6283, 96.3683, 108.3266



86.6662, 91.6070, 107.7219



19.8517, 20.6648, 23.1924



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.



87.6302, 88.9132, 107.1511



85.6759, 86.0141, 106.6945



90.0297, 90.1650, 106.5927



17.9806, 17.8817, 22.7538



15.5634, 6.9337, 49.9526



1.6409, 0.7398, 4.8696

Inverse Universe

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



88.7434, 89.6505, 99.8191



87.0912, 86.9508, 97.4041



87.0579, 96.1515, 96.2574



18.3395, 18.1191, 20.4048



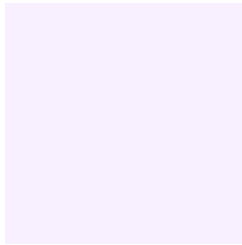
23.1366, 11.7439, 9.3697



2.3065, 1.1650, 1.1953

Previews

White Background



This preview shows how the XYZ color 87.6279, 88.9095, 107.1505 looks on a white background.

Color Contrast Check

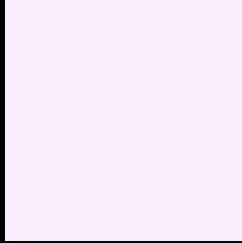
Large Text (above 18pt) WCAG AA × Fail

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 87.6279, 88.9095, 107.1505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

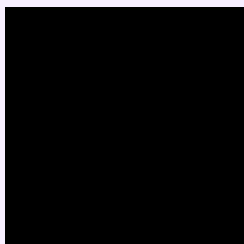
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.6279, 88.9095, 107.1505

Background



This preview shows how black text looks on a background with the XYZ color 87.6279, 88.9095, 107.1505.

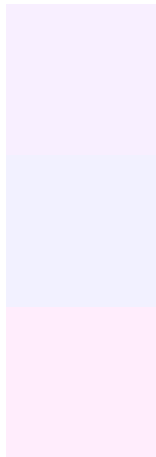


This preview shows how white text looks on a background with the XYZ color 87.6279, 88.9095,

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

87.6279, 88.9095, 107.1505

Protanopia

86.1232, 89.0078, 107.2488

Deuteranopia

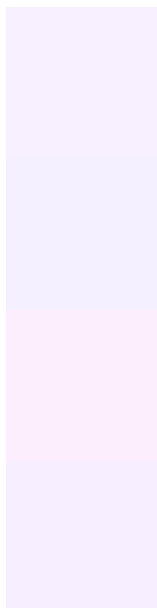
89.0949, 88.8566, 104.5507



Tritanopia

87.2743, 88.7272, 107.1339

Trichromacy



Original Color

87.6279, 88.9095, 107.1505

Protanomaly

86.5183, 88.7733, 107.1827

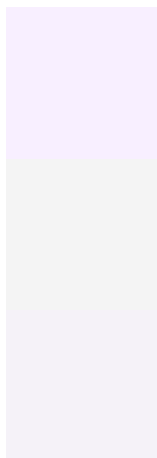
Deuteranomaly

88.4490, 88.9364, 105.4332

Tritanomaly

87.2743, 88.7272, 107.1339

Monochromacy



Original Color

87.6279, 88.9095, 107.1505

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.3516, 89.6940, 101.5684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6279, 88.9095, 107.1505 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(248, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 239, 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(248, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.6279, 88.9095, 107.1505 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(248, 239, 255) }
```


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

```
.border{ border-color:rgb(248, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6279, 88.9095, 107.1505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 239, 255) }
```

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

```
.background{ background-color: rgb(248,  
239, 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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