

Converting Colors

XYZ(90.0679, 89.3839,
120.6572)

Have a look what the booklet for
XYZ(90.0679, 89.3839, 120.6572)
contains.

XYZ(87.6915, 88.5088, 107.0698)	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(87.6915, 88.5088,
107.0698)**

Conversions

Conversions Part 1

Format	Color
Hex	F9EEFF
RGB	249, 238, 255
RGB Percent	98%, 93%, 100%
CMY	0.0235, 0.0666, 0.0000
CMYK	0.02, 0.07, 0.00, 0.00
HSL	279°, 100%, 97%
HSV	279°, 7%, 100%
XYZ	87.6915, 88.5088, 107.0698
YIQ	243.2270, 1.0990, 7.6190

Conversions

Conversions Part 2

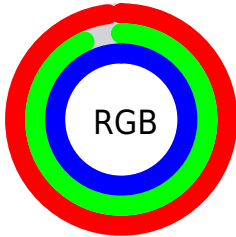
Format	Color
R _Y B	249, 238, 255
Decimal	16379647
CIE Lab	95.37, 6.69, -6.86
CIE LCh	95, 9.581, 314.291
Yxy	88.5088, 0.3096, 0.3125
Android (android.graphics.Color)	4294569727 (0xFF9EEFF)
YUV	243.2270, 5.8041, 5.0629
Hunter-Lab	94.0791, 1.7421, -1.6215

Details

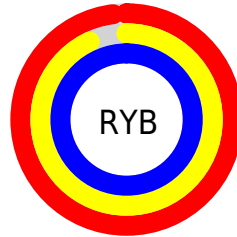
The XYZ color **87.6915, 88.5088, 107.0698** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.5030, 96.9272, 94.9375**, and the grayscale version is **85.3288, 89.7726, 97.7623**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9133, 48.8706, 60.2810** is the 20% darker color. If you saturate the color by 10%, you get **77.6559, 73.0858, 104.6218**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

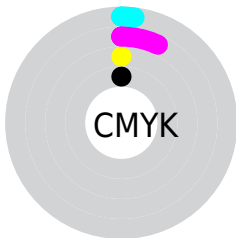
Distribution



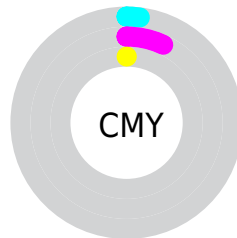
- Red (98%)
- Green (93%)
- Blue (100%)



- 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 87.6915, 88.5088, 107.0698 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 87.6915, 88.5088, 107.0698 by changing the saturation by 10% instead.

87.6915, 88.5088,
107.0698

87.6915, 88.5088,
107.0698

508.8430,
523.1680, 604.0682

66.3975, 66.7445,
81.5681

143.0223,
145.2653, 172.9756

48.8641, 48.8770,
60.4759

177.7899,
181.0263, 214.2168

34.7258, 34.5219,
43.3745

217.7794,
222.2217, 261.5416

23.6172, 23.2949,
29.8455

263.3561,
269.2359, 315.3685

15.1731, 14.8114,
19.4703

314.8855,
322.4532, 376.1161

9.0281, 8.6871,
11.8303

372.7329,

4.8168, 4.5377,

382.2580, 444.2029

6.5071

437.2636,
449.0349, 520.0474

■ 2.1738, 1.9786,
3.0821

■ 0.7289, 0.5950,
1.1367

■ 87.6915, 88.5088,
107.0698

■ 87.6915, 88.5088,
107.0698

■ 77.6559, 73.0858,
104.6218

95.0500, 100.0000,
108.9000

■ 68.7771, 59.7523,
102.5161

■ 61.0081, 48.4167,
100.7376

■ 54.2960, 38.9763,
99.2692

■ 48.5829, 31.3189,
98.0923

■ 43.8050, 25.3202,
97.1862

■ 39.8901, 20.8394,
96.5277

■ 36.7539, 17.7116,
96.0893

■ 34.2910, 15.7296,
95.8365

Harmonies

Analogous

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



85.3745, 88.5088, 111.0367



87.6915, 88.5088, 107.0698



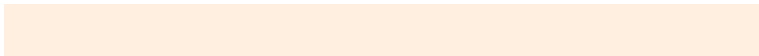
89.0675, 88.5088, 100.3296

Triad

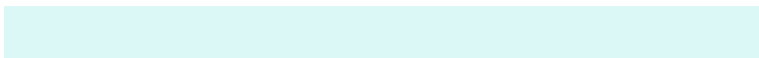
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6915, 88.5088, 107.0698



85.4961, 88.5088, 83.1408



79.3377, 88.5088, 99.9760

Complementary

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



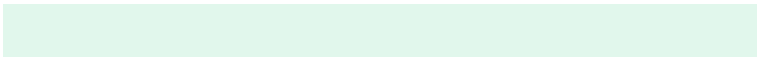
87.6915, 88.5088, 107.0698



88.5030, 96.9272, 94.9375

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.



79.3688, 88.5088, 92.5180



87.6915, 88.5088, 107.0698



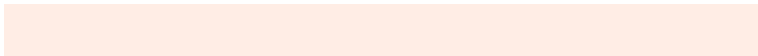
82.8877, 88.5088, 83.0572

Square

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



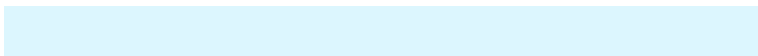
87.6915, 88.5088, 107.0698



87.7821, 88.5088, 86.6447



80.6565, 88.5088, 86.4098



80.5708, 88.5088, 106.7994

Rectangle

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



87.6915, 88.5088, 107.0698



89.2484, 88.5088, 95.2957



80.6565, 88.5088, 86.4098



79.2015, 88.5088, 97.4545

Sweetspot

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



87.6938, 88.5125, 107.0704



92.7854, 96.4493, 108.3340



85.7338, 90.2422, 107.5076



19.8837, 20.6813, 23.1939



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.



87.6938, 88.5125, 107.0704



86.2844, 86.3278, 106.7230



89.5035, 89.4873, 105.2620



18.1341, 17.9609, 22.7610



17.7075, 8.0390, 50.0530



1.8428, 0.8439, 4.8790

Inverse Universe

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



88.1459, 88.9443, 98.1131



86.8309, 86.8467, 96.0336



86.7904, 96.0056, 96.6064



18.2741, 18.0930, 20.0607



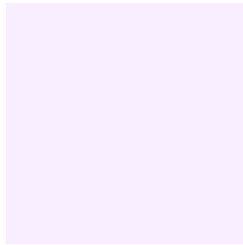
22.5770, 11.5201, 6.4229



2.2478, 1.1415, 0.8865

Previews

White Background



This preview shows how the XYZ color 87.6915, 88.5088, 107.0698 looks on a white background.

Color Contrast Check

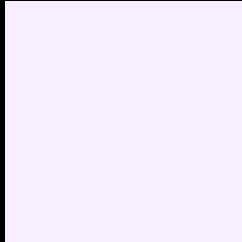
Large Text (above 18pt) WCAG AA × Fail

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 87.6915, 88.5088, 107.0698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

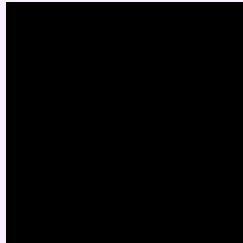
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

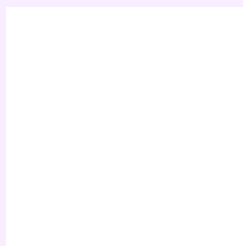
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.6915, 88.5088, 107.0698

Background



This preview shows how black text looks on a background with the XYZ color 87.6915, 88.5088, 107.0698.



This preview shows how white text looks on a background with the XYZ color 87.6915, 88.5088,

107.0598.

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

87.6915, 88.5088, 107.0698

Protanopia

85.8280, 88.4174, 107.1504

Deuteranopia

88.9651, 88.3428, 105.2914



Tritanopia

87.3359, 88.3255, 107.0532

Trichromacy



Original Color

87.6915, 88.5088, 107.0698

Protanomaly

86.5727, 88.3655, 107.1011

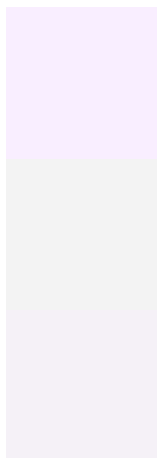
Deuteranomaly

88.6816, 88.6068, 106.1947

Tritanomaly

87.3359, 88.3255, 107.0532

Monochromacy



Original Color

87.6915, 88.5088, 107.0698

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.9000, 89.0385, 100.6544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6915, 88.5088, 107.0698 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(249, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.6915, 88.5088, 107.0698 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(249, 238, 255) }
```


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

```
.border{ border-color:rgb(249, 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(249, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6915, 88.5088, 107.0698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 238, 255) }
```

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

```
.background{ background-color: rgb(249,  
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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