

Converting Colors

XYZ(88.9613, 91.0221,
107.4880)

Have a look what the booklet for
XYZ(88.9613, 91.0221, 107.4880)
contains.

XYZ(88.8691, 90.8640, 107.4623)	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(88.8691, 90.8640,
107.4623)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F2FF
RGB	249, 242, 255
RGB Percent	98%, 95%, 100%
CMY	0.0235, 0.0510, 0.0000
CMYK	0.02, 0.05, 0.00, 0.00
HSL	272°, 100%, 97%
HSV	272°, 5%, 100%
XYZ	88.8691, 90.8640, 107.4623
YIQ	245.5750, -0.0010, 5.5270

Conversions

Conversions Part 2

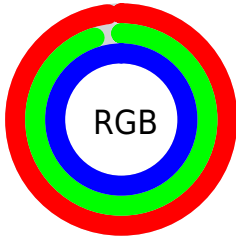
Format	Color
R_{YB}	249, 242, 255
Decimal	16380671
CIE _{Lab}	96.35, 4.64, -5.41
CIE _{LCh}	96, 7.128, 310.598
Yxy	90.8640, 0.3094, 0.3164
Android (android.graphics.Color)	4294570751 (0xFFFF9F2FF)
YUV	245.5750, 4.6465, 3.0037
Hunter-Lab	95.3226, -0.3993, -0.1150

Details

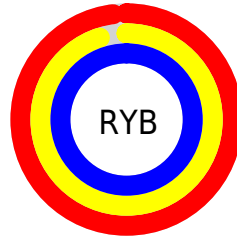
The XYZ color **88.8691, 90.8640, 107.4623** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.5006, 97.8883, 98.1334**, and the grayscale version is **87.2201, 91.7623, 99.9291**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.7443, 50.5325, 60.5580** is the 20% darker color. If you saturate the color by 10%, you get **77.7380, 74.6357, 104.9166**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

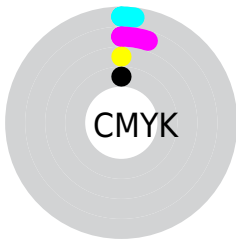
Distribution



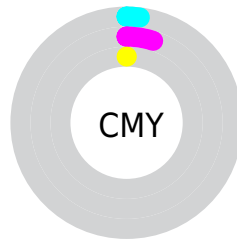
- Red (98%)
- Green (95%)
- Blue (100%)



- Red (98%)
- Yellow (95%)
- Blue (100%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.8691, 90.8640, 107.4623 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 88.8691, 90.8640, 107.4623 by changing the saturation by 10% instead.


 88.8691, 90.8640,
107.4623

 88.8691, 90.8640,
107.4623


512.6381,
530.8374, 605.3115

 67.3762, 68.6975,
81.8956


144.6529,
148.5379, 173.5159

 49.6623, 50.4654,
60.7441


179.6745,
184.8141, 214.8398

 35.3618, 35.7833,
43.5895


219.9364,
226.5624, 262.2533

 24.1095, 24.2669,
30.0131

265.8040,
274.1670, 316.1747

 15.5401, 15.5317,
19.5964

317.6426,
328.0124, 377.0227

 9.2881, 9.1934,
11.9208

375.8176,

 4.9882, 4.8675,

388.4830, 445.2158

6.5679

440.6943,
455.9632, 521.1726

■ 2.2750, 2.1698,
3.1191

■ 0.7818, 0.7034,
1.1557

■ 88.8691, 90.8640,
107.4623

■ 88.8691, 90.8640,
107.4623

■ 77.7380, 74.6357,
104.9166

95.0500, 100.0000,
108.9000

■ 67.8773, 60.5658,
102.7206

■ 59.2378, 48.5627,
100.8591

■ 51.7643, 38.5232,
99.3152

■ 45.3970, 30.3354,
98.0704

■ 40.0699, 23.8755,
97.1043

■ 35.7093, 19.0042,
96.3938

■ 32.2297, 15.5591,
95.9123

■ 29.5270, 13.3410,
95.6266

Harmonies

Analogous

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



87.0668, 90.8640, 110.0641



88.8691, 90.8640, 107.4623



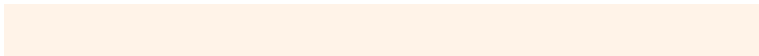
90.0108, 90.8640, 102.6081

Triad

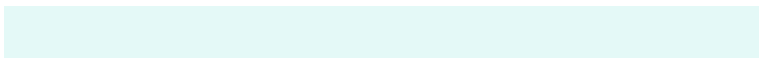
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8691, 90.8640, 107.4623



87.6366, 90.8640, 88.9871



82.6689, 90.8640, 100.9579

Complementary

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



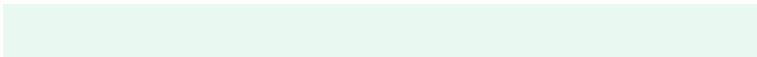
88.8691, 90.8640, 107.4623



90.5006, 97.8883, 98.1334

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.



82.8161, 90.8640, 95.3515



88.8691, 90.8640, 107.4623



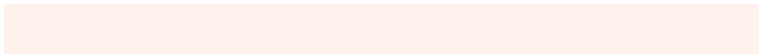
85.6640, 90.8640, 88.5834

Square

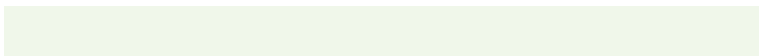
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



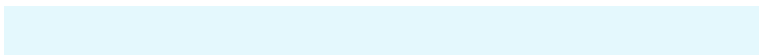
88.8691, 90.8640, 107.4623



89.2917, 90.8640, 91.9968



83.9055, 90.8640, 90.8720



83.5001, 90.8640, 106.2145

Rectangle

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



88.8691, 90.8640, 107.4623



90.2334, 90.8640, 98.8214



83.9055, 90.8640, 90.8720



82.6059, 90.8640, 99.0496

Sweetspot

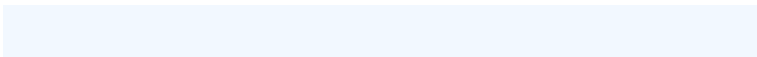
The Sweet Spot groups the original color and five complimentary colors.



88.8715, 90.8678, 107.4629



92.5837, 96.3453, 108.3246



88.2588, 93.2760, 107.9601



19.8426, 20.6602, 23.1919



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.



88.8715, 90.8678, 107.4629



87.8111, 89.3087, 107.2179



90.9742, 91.9598, 107.1977



18.6327, 18.8771, 22.9116



15.0217, 6.6544, 49.9273



1.5887, 0.7129, 4.8671

Inverse Universe

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



89.9377, 91.5452, 101.7398



89.0637, 90.1044, 100.5013



88.4730, 96.8355, 98.3785



18.9295, 19.0657, 21.3212



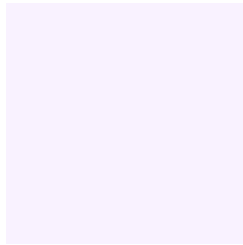
23.3218, 11.8180, 10.3452



2.3252, 1.1725, 1.2940

Previews

White Background



This preview shows how the XYZ color 88.8691, 90.8640, 107.4623 looks on a white background.

Color Contrast Check

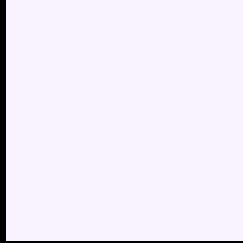
Large Text (above 18pt) WCAG AA × Fail

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 88.8691, 90.8640, 107.4623 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 88.8691, 90.8640, 107.4623

Background



This preview shows how black text looks on a background with the XYZ color 88.8691, 90.8640, 107.4623.



This preview shows how white text looks on a background with the XYZ color 88.8691, 90.8640,

107.623.

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

88.8691, 90.8640, 107.4623

Protanopia

87.7568, 90.7337, 107.4958

Deuteranopia

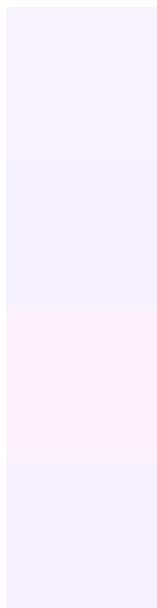
89.8127, 90.5452, 104.0101



Tritanopia

88.5135, 90.6807, 107.4457

Trichromacy



Original Color

88.8691, 90.8640, 107.4623

Protanomaly

88.1066, 90.9140, 107.5122

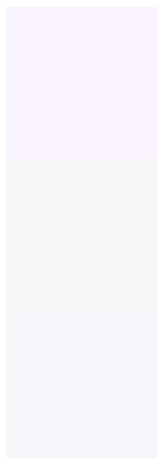
Deuteranomaly

89.5340, 90.8215, 104.9068

Tritanomaly

88.5135, 90.6807, 107.4457

Monochromacy



Original Color

88.8691, 90.8640, 107.4623

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

88.1091, 91.9185, 102.7207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.8691, 90.8640, 107.4623 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 242, 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, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 88.8691, 90.8640, 107.4623 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, 242, 255) }
```


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

```
.border{ border-color:rgb(249, 242, 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, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 88.8691, 90.8640, 107.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 242, 255) }
```

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

```
.background{ background-color: rgb(249,  
242, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor