

Converting Colors

XYZ(114.7056, 100.0000,
105.8626)

Have a look what the booklet for
XYZ(114.7056, 100.0000, 105.8626)
contains.

XYZ(87.8262, 86.0651, 104.9118)	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(87.8262, 86.0651,
104.9118)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8FD
RGB	255, 232, 253
RGB Percent	100%, 91%, 99%
CMY	0.0000, 0.0902, 0.0078
CMYK	0.00, 0.09, 0.01, 0.00
HSL	305°, 100%, 95%
HSV	305°, 9%, 100%
XYZ	87.8262, 86.0651, 104.9118
YIQ	241.2710, 6.9670, 11.4070

Conversions

Conversions Part 2

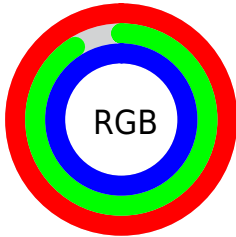
Format	Color
R_{YB}	255, 232, 253
Decimal	16771325
CIE _{Lab}	94.34, 11.40, -7.30
CIE _{LCh}	94, 13.534, 327.376
Yxy	86.0651, 0.3150, 0.3087
Android (android.graphics.Color)	4294961405 (0xFFFFE8FD)
YUV	241.2710, 5.7824, 12.0403
Hunter-Lab	92.7713, 6.6355, -2.1091

Details

The XYZ color **87.8262, 86.0651, 104.9118** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.8926, 94.6176, 91.6867**, and the grayscale version is **83.7764, 88.1393, 95.9836**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7778, 47.0420, 58.7337** is the 20% darker color. If you saturate the color by 10%, you get **80.8121, 72.5981, 100.8430**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

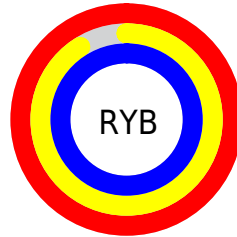
Distribution



Red (100%)

Green (91%)

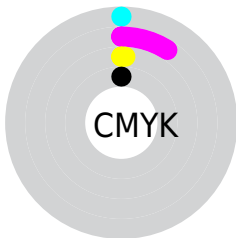
Blue (99%)



Red (100%)

Yellow (91%)

Blue (99%)

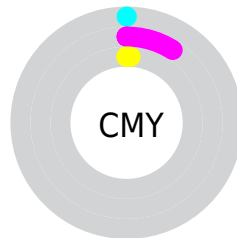


Cyan (0%)

Magenta (9%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.8262, 86.0651, 104.9118 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 87.8262, 86.0651, 104.9118 by changing the saturation by 10% instead.

87.8262, 86.0651,
104.9118

87.8262, 86.0651,
104.9118

509.2778,
515.1458, 597.2088

66.5095, 64.7218,
79.7692

143.2089,
141.8603, 170.0014

48.9553, 47.2355,
59.0034

178.0056,
177.0811, 210.7856

34.7984, 33.2219,
42.1958

218.0264,
217.6964, 257.6206

23.6734, 22.2965,
28.9280

263.6365,
264.0907, 310.9252

15.2150, 14.0749,
18.7812

315.2013,
316.6484, 371.1177

9.0577, 8.1728,
11.3371

373.0862,

4.8362, 4.2057,

375.7539, 438.6168

6.1770

437.6566,
441.7916, 513.8410

■ 2.1853, 1.7893,
2.8825

■ 0.7350, 0.4805,
1.0350

■ 87.8262, 86.0651,
104.9118

■ 87.8262, 86.0651,
104.9118

■ 80.8121, 72.5981,
100.8430

95.0500, 100.0000,
108.9000

■ 74.7968, 61.1229,
97.1262

■ 69.7345, 51.5470,
93.7471

■ 65.5733, 43.7668,
90.6884

■ 62.2564, 37.6688,
87.9311

■ 59.7206, 33.1265,
85.4541

■ 57.8937, 29.9956,
83.2332

■ 56.6900, 28.1047,
81.2398

■ 55.9831, 27.2007,
79.4317

Harmonies

Analogous

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



85.0558, 86.0651, 112.6165



87.8262, 86.0651, 104.9118



88.9788, 86.0651, 94.6288

Triad

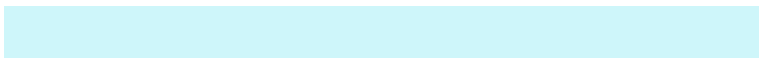
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8262, 86.0651, 104.9118



82.1224, 86.0651, 75.1170



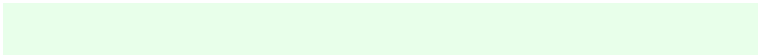
75.7562, 86.0651, 103.2113

Complementary

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



87.8262, 86.0651, 104.9118



83.8926, 94.6176, 91.6867

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.



75.0224, 86.0651, 92.7977



87.8262, 86.0651, 104.9118



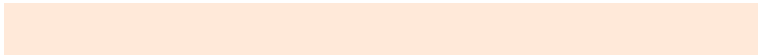
78.6328, 86.0651, 77.0481

Square

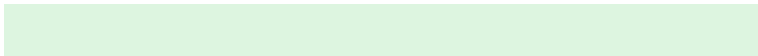
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8262, 86.0651, 104.9118



85.6254, 86.0651, 77.8544



76.0603, 86.0651, 83.3359



78.0948, 86.0651, 111.5848

Rectangle

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



87.8262, 86.0651, 104.9118



88.6499, 86.0651, 87.8632



76.0603, 86.0651, 83.3359



75.3168, 86.0651, 99.8112

Sweetspot

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



87.8282, 86.0686, 104.9136



92.5510, 95.1731, 107.5398



80.8144, 82.4159, 106.2562



19.6703, 20.1018, 22.9414



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.



87.8282, 86.0686, 104.9136



86.3553, 83.2348, 104.0777



86.0633, 85.3626, 95.6200



18.7206, 18.2715, 22.4116



29.2502, 14.1894, 41.5633



2.8672, 1.3892, 4.1480

Inverse Universe

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



87.8282, 86.0686, 104.9136



86.3553, 83.2348, 104.0777



85.5862, 95.2950, 100.6050



18.7206, 18.2715, 22.4116



29.2502, 14.1894, 41.5633



2.8672, 1.3892, 4.1480

Previews

White Background



This preview shows how the XYZ color 87.8262, 86.0651, 104.9118 looks on a white background.

Color Contrast Check

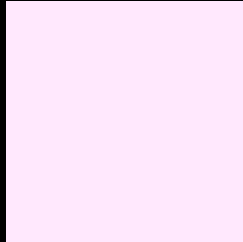
Large Text (above 18pt) WCAG AA × Fail

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 87.8262, 86.0651, 104.9118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

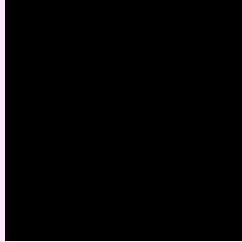
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.8262, 86.0651, 104.9118

Background



This preview shows how black text looks on a background with the XYZ color 87.8262, 86.0651, 104.9118.



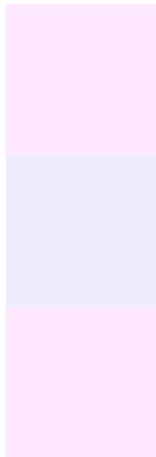
This preview shows how white text looks on a background with the XYZ color 87.8262, 86.0651,

104.9118.

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

87.8262, 86.0651, 104.9118

Protanopia

83.5941, 85.9655, 106.7949

Deuteranopia

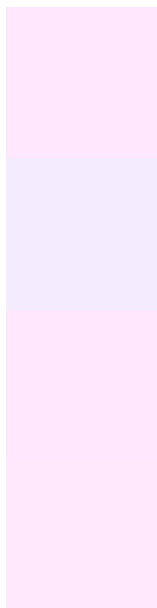
87.8262, 86.0651, 104.9118



Tritanopia

87.5092, 85.9383, 103.2423

Trichromacy



Original Color

87.8262, 86.0651, 104.9118

Protanomaly

84.9060, 85.8055, 105.8530

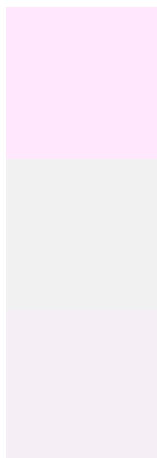
Deuteranomaly

87.8262, 86.0651, 104.9118

Tritanomaly

87.6673, 86.0015, 104.0748

Monochromacy



Original Color

87.8262, 86.0651, 104.9118

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

85.0620, 87.3345, 98.7602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.8262, 86.0651, 104.9118 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(255, 232, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 253)  
}
```

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(255, 232, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 253) }
```

Border

The CSS property to change the border of an element to XYZ 87.8262, 86.0651, 104.9118 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(255, 232, 253) }
```


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

```
.border{ border-color:rgb(255, 232, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 87.8262, 86.0651, 104.9118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 253) }
```

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

```
.background{ background-color: rgb(255,  
232, 253) }
```

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