

Converting Colors

XYZ(84.4674, 86.2879,
106.8111)

Have a look what the booklet for
XYZ(84.4674, 86.2879, 106.8111)
contains.

XYZ(84.6098, 86.4891, 106.8424)	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(84.6098, 86.4891,
106.8424)**

Conversions

Conversions Part 1

Format	Color
Hex	F1EDFF
RGB	241, 237, 255
RGB Percent	95%, 93%, 100%
CMY	0.0549, 0.0706, 0.0000
CMYK	0.05, 0.07, 0.00, 0.00
HSL	253°, 100%, 96%
HSV	253°, 7%, 100%
XYZ	84.6098, 86.4891, 106.8424
YIQ	240.2480, -3.3940, 6.4460

Conversions

Conversions Part 2

Format	Color
R_{YB}	241, 237, 255
Decimal	15855103
CIE _{Lab}	94.52, 4.60, -8.19
CIE _{LCh}	95, 9.393, 299.325
Yxy	86.4891, 0.3044, 0.3112
Android (android.graphics.Color)	4294045183 (0xFFFF1EDFF)
YUV	240.2480, 7.2727, 0.6595
Hunter-Lab	92.9995, -0.3521, -3.0156

Details

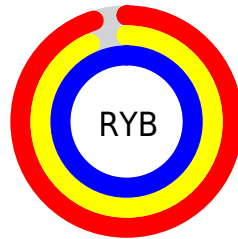
The XYZ color **84.6098, 86.4891, 106.8424** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.8318, 98.1446, 94.2814**, and the grayscale version is **82.9674, 87.2881, 95.0568**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7245, 47.4393, 60.1201** is the 20% darker color. If you saturate the color by 10%, you get **71.3392, 69.4582, 104.2545**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

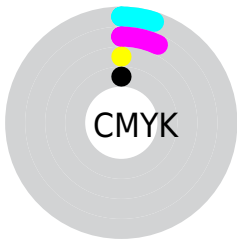
Distribution



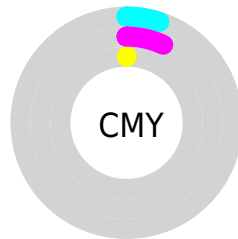
- Red (95%)
- Green (93%)
- Blue (100%)



- Red (95%)
- Yellow (93%)
- Blue (100%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6098, 86.4891, 106.8424 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 84.6098, 86.4891, 106.8424 by changing the saturation by 10% instead.

84.6098, 86.4891,
106.8424

84.6098, 86.4891,
106.8424

498.8392,
516.5426, 603.3474

63.8404, 65.0725,
81.3785

138.7447,
142.4518, 172.6625

46.7826, 47.5199,
60.3205

172.8410,
177.7667, 213.8557

33.0711, 33.4468,
43.2500

212.1103,
218.4832, 261.1290

22.3404, 22.4690,
29.7485

256.9179,
264.9856, 314.9011

14.2252, 14.2019,
19.3973

307.6292,
317.6583, 375.5905

8.3602, 8.2612,
11.7780

364.6097,

4.3800, 4.2625,

376.8858, 443.6156

6.4720

428.2245,
443.0524, 519.3950

■ 1.9193, 1.8215,
3.0608

■ 0.5880, 0.5005,
1.1257

■ 84.6098, 86.4891,
106.8424

■ 84.6098, 86.4891,
106.8424

■ 71.3392, 69.4582,
104.2545

95.0500, 100.0000,
108.9000

■ 59.7859, 54.8032,
102.0348

■ 49.8803, 42.4206,
100.1668

■ 41.5451, 32.1948,
98.6323

■ 34.6970, 24.0002,
97.4115

■ 29.2443, 17.6978,
96.4824

■ 25.0847, 13.1306,
95.8201

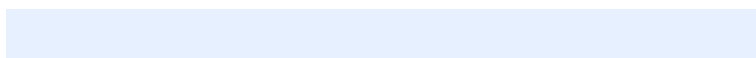
■ 22.1006, 10.1157,
95.3954

■ 20.1478, 8.4224,
95.1715

Harmonies

Analogous

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



82.1480, 86.4891, 108.7943



84.6098, 86.4891, 106.8424



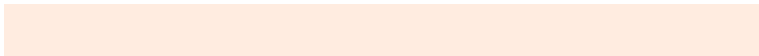
86.4587, 86.4891, 101.4566

Triad

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



84.6098, 86.4891, 106.8424



84.7110, 86.4891, 82.6954



77.4384, 86.4891, 94.0079

Complementary

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



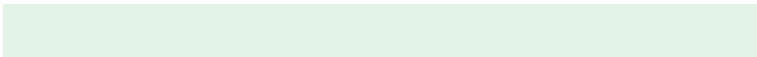
84.6098, 86.4891, 106.8424



90.8318, 98.1446, 94.2814

Split Complementary

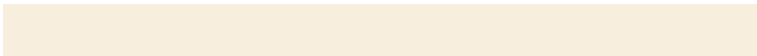
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0937, 86.4891, 87.2446



84.6098, 86.4891, 106.8424



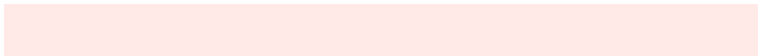
82.2626, 86.4891, 80.9222

Square

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



84.6098, 86.4891, 106.8424



86.5180, 86.4891, 87.5150



79.8468, 86.4891, 82.5450



78.0384, 86.4891, 101.1582

Rectangle

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



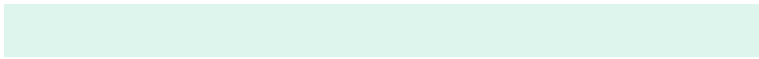
84.6098, 86.4891, 106.8424



87.0768, 86.4891, 96.7752



79.8468, 86.4891, 82.5450



77.5190, 86.4891, 91.6158

Sweetspot

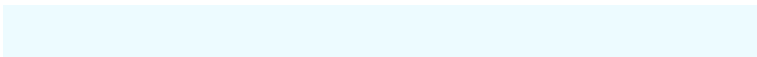
The Sweet Spot groups the original color and five complimentary colors.



84.6121, 86.4927, 106.8430



92.0000, 96.0444, 108.2972



87.5057, 94.2831, 108.1942



19.7238, 20.5989, 23.1864



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.



84.6121, 86.4927, 106.8430



83.2847, 84.7813, 106.5826



87.7249, 88.0974, 106.9886



17.3802, 17.5722, 22.7257



10.4059, 4.2749, 49.7113



1.1019, 0.4620, 4.8444

Inverse Universe

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



88.9389, 88.7968, 103.7216



88.1630, 87.3795, 103.0480



87.7005, 96.5304, 94.1349



18.6098, 18.2272, 21.8285



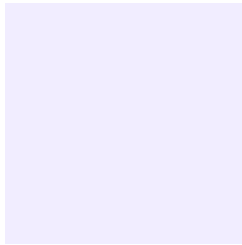
26.9556, 13.2715, 29.4805



2.6651, 1.3084, 3.0837

Previews

White Background



This preview shows how the XYZ color 84.6098, 86.4891, 106.8424 looks on a white background.

Color Contrast Check

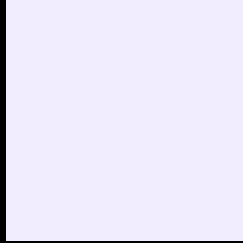
Large Text (above 18pt) WCAG AA × Fail

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 84.6098, 86.4891, 106.8424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

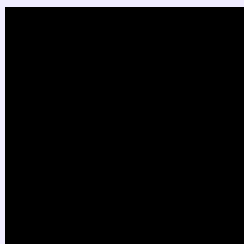
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.6098, 86.4891, 106.8424

Background



This preview shows how black text looks on a background with the XYZ color 84.6098, 86.4891, 106.8424.



This preview shows how white text looks on a background with the XYZ color 84.6098, 86.4891,

106.8424.

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

84.6098, 86.4891, 106.8424

Protanopia

84.2211, 86.7198, 106.9074

Deuteranopia

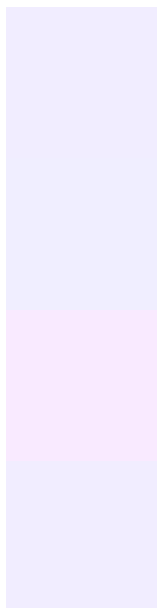
88.0620, 86.5687, 106.6758



Tritanopia

84.6098, 86.4891, 106.8424

Trichromacy



Original Color

84.6098, 86.4891, 106.8424

Protanomaly

84.5597, 86.8943, 106.9233

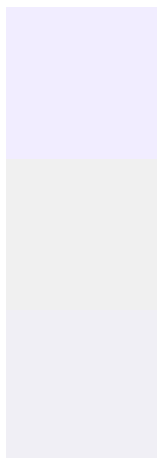
Deuteranomaly

86.5397, 86.2054, 106.6859

Tritanomaly

84.6098, 86.4891, 106.8424

Monochromacy



Original Color

84.6098, 86.4891, 106.8424

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.2831, 86.8508, 98.7606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.6098, 86.4891, 106.8424 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(241, 237, 255) looks like.

```
.text, #text, p{  
    color:rgb(241, 237, 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(241, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.6098, 86.4891, 106.8424 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(241, 237, 255) }
```


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

```
.border{ border-color:rgb(241, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6098, 86.4891, 106.8424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 237, 255) }
```

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

```
.background{ background-color: rgb(241,  
237, 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