

Converting Colors

XYZ(84.8259, 85.2054,
106.5716)

Have a look what the booklet for
XYZ(84.8259, 85.2054, 106.5716)
contains.

XYZ(84.7810, 85.2987, 106.6036)	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(84.7810, 85.2987,
106.6036)**

Conversions

Conversions Part 1

Format	Color
Hex	F4EAFF
RGB	244, 234, 255
RGB Percent	96%, 92%, 100%
CMY	0.0431, 0.0823, 0.0000
CMYK	0.04, 0.08, 0.00, 0.00
HSL	269°, 100%, 96%
HSV	269°, 8%, 100%
XYZ	84.7810, 85.2987, 106.6036
YIQ	239.3840, -0.7810, 8.6510

Conversions

Conversions Part 2

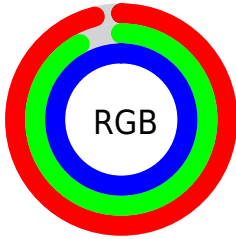
Format	Color
R _Y B	244, 234, 255
Decimal	16050943
CIE Lab	94.01, 7.12, -8.92
CIE LCh	94, 11.413, 308.600
Yxy	85.2987, 0.3064, 0.3083
Android (android.graphics.Color)	4294241023 (0xFF4E4E4E)
YUV	239.3840, 7.6987, 4.0482
Hunter-Lab	92.3573, 2.2319, -3.7855

Details

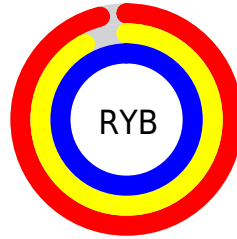
The XYZ color **84.7810, 85.2987, 106.6036** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.2696, 96.8740, 91.8924**, and the grayscale version is **82.2875, 86.5729, 94.2779**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8525, 46.6094, 59.9532** is the 20% darker color. If you saturate the color by 10%, you get **73.5693, 69.5083, 104.1467**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

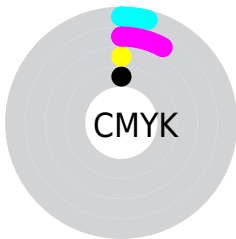
Distribution



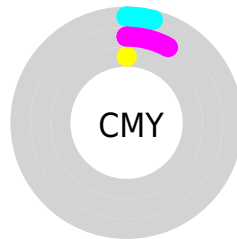
- Red (96%)
- Green (92%)
- Blue (100%)



- Red (96%)
- Yellow (92%)
- Blue (100%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7810, 85.2987, 106.6036 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 84.7810, 85.2987, 106.6036 by changing the saturation by 10% instead.

84.7810, 85.2987,
106.6036

84.7810, 85.2987,
106.6036

499.3977,
512.6159, 602.5898

63.9823, 64.0882,
81.1793

138.9828,
140.7904, 172.3336

46.8980, 46.7221,
60.1574

173.1166,
175.8405, 213.4763

33.1626, 32.8160,
43.1194

212.4261,
216.2725, 260.6957

22.4109, 21.9856,
29.6467

257.2768,
262.4709, 314.4101

14.2774, 13.8463,
19.3208

308.0339,
314.8200, 375.0382

8.3969, 8.0138,
11.7232

365.0629,

4.4039, 4.1038,

373.7043, 442.9985

6.4352

428.7290,
439.5081, 518.7095

■ 1.9330, 1.7318,
3.0385

■ 0.5959, 0.4441,
1.1143

■ 84.7810, 85.2987,
106.6036

■ 84.7810, 85.2987,
106.6036

■ 73.5693, 69.5083,
104.1467

95.0500, 100.0000,
108.9000

■ 63.6846, 55.8846,
102.0380

■ 55.0743, 44.3323,
100.2620

■ 47.6792, 34.7444,
98.8011

■ 41.4354, 27.0042,
97.6362

■ 36.2718, 20.9823,
96.7460

■ 32.1087, 16.5314,
96.1063

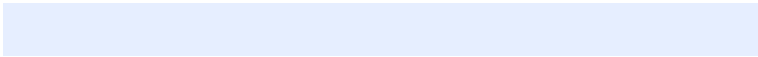
■ 28.8528, 13.4785,
95.6886

■ 26.3785, 11.5861,
95.4538

Harmonies

Analogous

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



81.9523, 85.2987, 110.4578



84.7810, 85.2987, 106.6036



86.6471, 85.2987, 99.1282

Triad

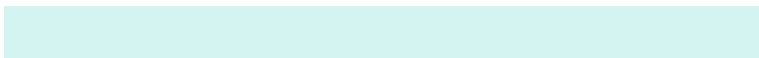
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7810, 85.2987, 106.6036



83.2286, 85.2987, 78.1250



75.4225, 85.2987, 95.4053

Complementary

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



84.7810, 85.2987, 106.6036



88.2696, 96.8740, 91.8924

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.



75.7449, 85.2987, 86.8920



84.7810, 85.2987, 106.6036



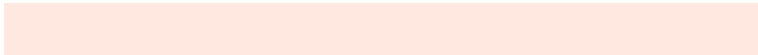
80.2017, 85.2987, 77.2661

Square

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



84.7810, 85.2987, 106.6036



85.7353, 85.2987, 82.8043



77.4764, 85.2987, 80.3802



76.5845, 85.2987, 103.7325

Rectangle

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



84.7810, 85.2987, 106.6036



87.0678, 85.2987, 93.2860



77.4764, 85.2987, 80.3802



75.3615, 85.2987, 92.4667

Sweetspot

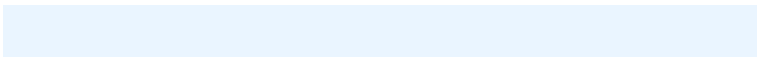
The Sweet Spot groups the original color and five complimentary colors.



84.7833, 85.3022, 106.6042



92.4684, 96.2859, 108.3192



84.6973, 90.1409, 107.5426



19.8191, 20.6481, 23.1908



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.



84.7833, 85.3022, 106.6042



82.7028, 82.3496, 106.1439



88.4574, 87.1963, 106.7761



17.8258, 17.8019, 22.7465



13.7519, 5.9998, 49.8679



1.4641, 0.6487, 4.8613

Inverse Universe

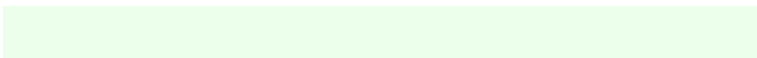
The Inverse Universe completely reimagines the original color for something new.



87.1464, 86.7016, 98.5313



85.5542, 84.0382, 96.3939



84.7759, 95.0729, 91.7289



18.4069, 18.1461, 20.7599



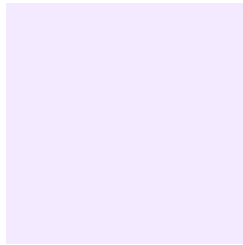
23.8582, 12.0326, 13.1698



2.3782, 1.1937, 1.5732

Previews

White Background



This preview shows how the XYZ color 84.7810, 85.2987, 106.6036 looks on a white background.

Color Contrast Check

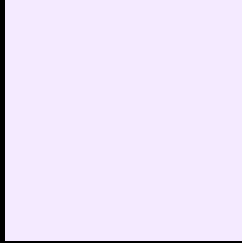
Large Text (above 18pt) WCAG AA × Fail

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 84.7810, 85.2987, 106.6036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

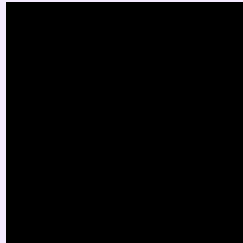
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.7810, 85.2987, 106.6036

Background



This preview shows how black text looks on a background with the XYZ color 84.7810, 85.2987, 106.6036.



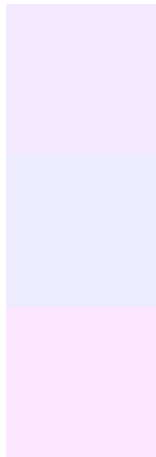
This preview shows how white text looks on a background with the XYZ color 84.7810, 85.2987,

106.6036.

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

84.7810, 85.2987, 106.6036

Protanopia

82.9705, 85.2154, 106.6829

Deuteranopia

86.7708, 85.0673, 106.4541



Tritanopia

84.4607, 85.1706, 104.9165

Trichromacy



Original Color

84.7810, 85.2987, 106.6036

Protanomaly

83.6935, 85.1619, 106.6345

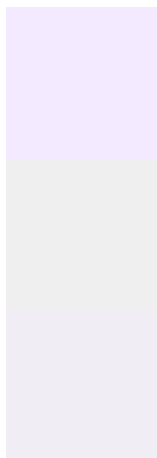
Deuteranomaly

85.9735, 85.0730, 106.4972

Tritanomaly

84.6204, 85.2345, 105.7579

Monochromacy



Original Color

84.7810, 85.2987, 106.6036

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

83.0412, 85.8617, 98.5824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7810, 85.2987, 106.6036 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(244, 234, 255) looks like.

```
.text, #text, p{  
    color:rgb(244, 234, 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(244, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.7810, 85.2987, 106.6036 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(244, 234, 255) }
```


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

```
.border{ border-color:rgb(244, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(244, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7810, 85.2987, 106.6036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 234, 255) }
```

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

```
.background{ background-color: rgb(244,  
234, 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