

Converting Colors

XYZ(87.3051, 85.7482,
106.5573)

Have a look what the booklet for
XYZ(87.3051, 85.7482, 106.5573)
contains.

XYZ(87.4146, 85.8159, 106.5646)	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(87.4146, 85.8159,
106.5646)**

Conversions

Conversions Part 1

Format	Color
Hex	FDE8FF
RGB	253, 232, 255
RGB Percent	99%, 91%, 100%
CMY	0.0078, 0.0902, 0.0000
CMYK	0.01, 0.09, 0.00, 0.00
HSL	295°, 100%, 95%
HSV	295°, 9%, 100%
XYZ	87.4146, 85.8159, 106.5646
YIQ	240.9010, 5.1330, 11.6050

Conversions

Conversions Part 2

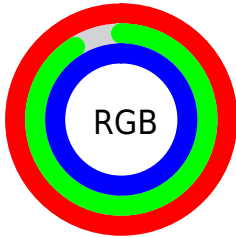
Format	Color
R_{YB}	253, 232, 255
Decimal	16640255
CIE _{Lab}	94.23, 11.10, -8.51
CIE _{LCh}	94, 13.986, 322.507
Yxy	85.8159, 0.3124, 0.3067
Android (android.graphics.Color)	4294830335 (0xFFFDE8FF)
YUV	240.9010, 6.9508, 10.6108
Hunter-Lab	92.6369, 6.3228, -3.3583

Details

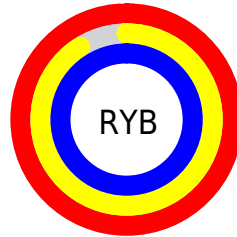
The XYZ color **87.4146, 85.8159, 106.5646** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.2594, 94.8397, 90.2133**, and the grayscale version is **83.4775, 87.8249, 95.6413**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4833, 46.8636, 59.9163** is the 20% darker color. If you saturate the color by 10%, you get **79.9497, 72.0760, 104.3060**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

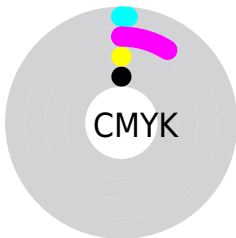
Distribution



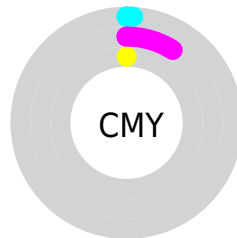
- Red (99%)
- Green (91%)
- Blue (100%)



- Red (99%)
- Yellow (91%)
- Blue (100%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.4146, 85.8159, 106.5646 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 87.4146, 85.8159, 106.5646 by changing the saturation by 10% instead.

 87.4146, 85.8159,
106.5646

 87.4146, 85.8159,
106.5646


507.9484,
514.3240, 602.4661

 66.1675, 64.5158,
81.1468


142.6386,
141.5126, 172.2799

 48.6766, 47.0685,
60.1308


177.3462,
176.6778, 213.4144

 34.5765, 33.0898,
43.0981


217.2714,
217.2336, 260.6249

 23.5018, 22.1953,
29.6301

262.7795,
263.5643, 314.3299

 15.0872, 14.0005,
19.3083

314.2359,
316.0543, 374.9480

 8.9673, 8.1210,
11.7142

372.0060,

 4.7768, 4.1725,

375.0880, 442.8977

6.4292

436.4550,
441.0497, 518.5975

■ 2.1503, 1.7705,
3.0348

■ 0.7164, 0.4687,
1.1124

■ 87.4146, 85.8159,
106.5646

■ 87.4146, 85.8159,
106.5646

■ 79.9497, 72.0760,
104.3060

95.0500, 100.0000,
108.9000

■ 73.4886, 60.3308,
102.3795

■ 67.9857, 50.4882,
100.7697

■ 63.3891, 42.4444,
99.4594

■ 59.6421, 36.0860,
98.4295

■ 56.6813, 31.2864,
97.6592

■ 54.4345, 27.9012,
97.1242

■ 52.8162, 25.7593,
96.7961

■ 51.6996, 24.6074,
96.6326

Harmonies

Analogous

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



84.3537, 85.8159, 113.8198



87.4146, 85.8159, 106.5646



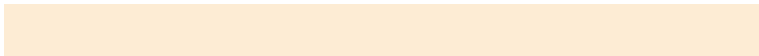
88.9168, 85.8159, 96.1546

Triad

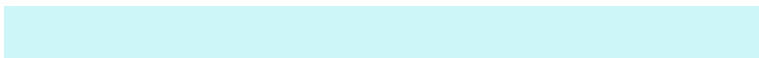
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4146, 85.8159, 106.5646



82.5082, 85.8159, 74.4435



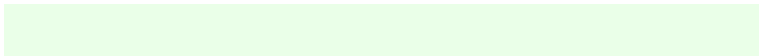
75.0909, 85.8159, 101.5596

Complementary

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



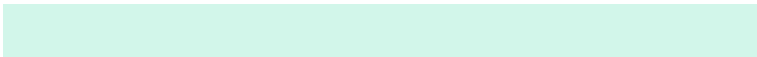
87.4146, 85.8159, 106.5646



84.2594, 94.8397, 90.2133

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.



74.6308, 85.8159, 90.7749



87.4146, 85.8159, 106.5646



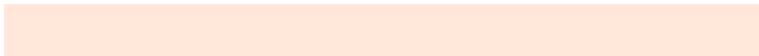
78.8393, 85.8159, 75.6489

Square

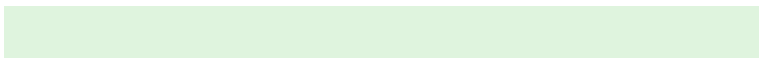
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4146, 85.8159, 106.5646



86.0283, 85.8159, 78.0095



75.9832, 85.8159, 81.4379



77.2597, 85.8159, 110.7794

Rectangle

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



87.4146, 85.8159, 106.5646



88.8010, 85.8159, 89.0425



75.9832, 85.8159, 81.4379



74.7340, 85.8159, 97.9777

Sweetspot

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



87.4169, 85.8195, 106.5652



92.4137, 95.0899, 108.0912



80.8405, 83.3964, 106.4441



19.6330, 20.0793, 23.0909



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.



87.4169, 85.8195, 106.5652



85.8542, 82.9314, 106.0901



86.7025, 85.6183, 98.9861



18.6278, 18.2154, 22.7841



27.0274, 12.8436, 50.4891



2.6754, 1.2732, 4.9180

Inverse Universe

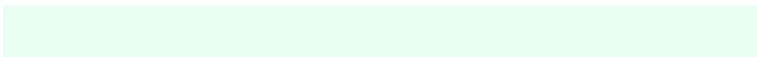
The Inverse Universe completely reimagines the original color for something new.



84.9502, 84.9173, 89.7585



82.8925, 81.8497, 85.8426



84.9483, 95.0398, 97.2459



18.0735, 18.0127, 19.0040



21.6470, 11.1481, 1.5258



2.1285, 1.0938, 0.2580

Previews

White Background



This preview shows how the XYZ color 87.4146, 85.8159, 106.5646 looks on a white background.

Color Contrast Check

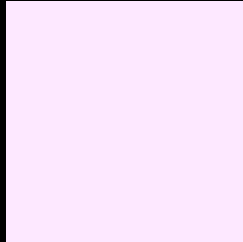
Large Text (above 18pt) WCAG AA × Fail

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 87.4146, 85.8159, 106.5646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

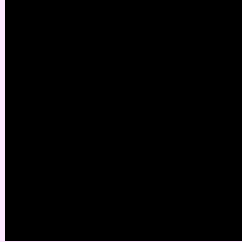
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.4146, 85.8159, 106.5646

Background



This preview shows how black text looks on a background with the XYZ color 87.4146, 85.8159, 106.5646.



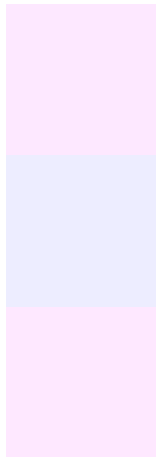
This preview shows how white text looks on a background with the XYZ color 87.4146, 85.8159,

106.5646.

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

87.4146, 85.8159, 106.5646

Protanopia

83.2592, 85.7929, 106.7792

Deuteranopia

87.7797, 86.0041, 106.5817



Tritanopia

86.6964, 85.9383, 103.2851

Trichromacy



Original Color

87.4146, 85.8159, 106.5646

Protanomaly

84.7205, 85.6913, 106.6826

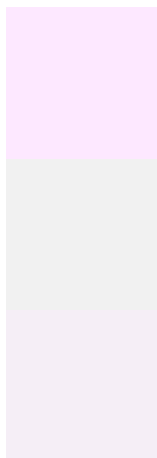
Deuteranomaly

87.7797, 86.0041, 106.5817

Tritanomaly

86.8545, 86.0015, 104.1177

Monochromacy



Original Color

87.4146, 85.8159, 106.5646

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.8653, 87.2154, 99.5501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4146, 85.8159, 106.5646 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(253, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 232, 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(253, 232, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 87.4146, 85.8159, 106.5646 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(253, 232, 255) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 87.4146, 85.8159, 106.5646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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