

Converting Colors

XYZ(86.1436, 87.9001,
106.9177)

Have a look what the booklet for
XYZ(86.1436, 87.9001, 106.9177)
contains.

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Color

**XYZ(85.9328, 87.6022,
106.9875)**

Conversions

Conversions Part 1

Format	Color
Hex	F4EEFF
RGB	244, 238, 255
RGB Percent	96%, 93%, 100%
CMY	0.0431, 0.0666, 0.0000
CMYK	0.04, 0.07, 0.00, 0.00
HSL	261°, 100%, 97%
HSV	261°, 7%, 100%
XYZ	85.9328, 87.6022, 106.9875
YIQ	241.7320, -1.8810, 6.5590

Conversions

Conversions Part 2

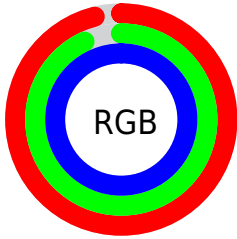
Format	Color
R _Y B	244, 238, 255
Decimal	16051967
CIE _{Lab}	94.99, 5.06, -7.47
CIE _{LCh}	95, 9.018, 304.126
Yxy	87.6022, 0.3063, 0.3123
Android (android.graphics.Color)	4294242047 (0xFFFF4EEFF)
YUV	241.7320, 6.5411, 1.9890
Hunter-Lab	93.5960, 0.0921, -2.2558

Details

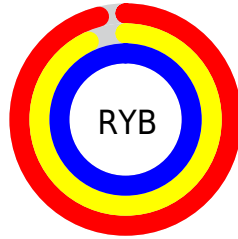
The XYZ color **85.9328, 87.6022, 106.9875** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.2617, 97.8338, 95.0198**, and the grayscale version is **84.1394, 88.5212, 96.3995**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6600, 48.2245, 60.2224** is the 20% darker color. If you saturate the color by 10%, you get **73.5564, 70.9724, 104.4299**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

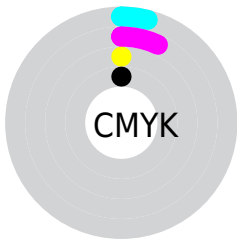
Distribution



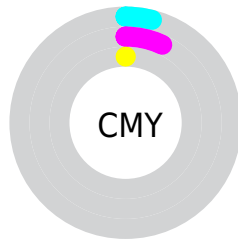
- Red (96%)
- Green (93%)
- Blue (100%)



- Red (96%)
- Yellow (93%)
- Blue (100%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.9328, 87.6022, 106.9875 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 85.9328, 87.6022, 106.9875 by changing the saturation by 10% instead.

 85.9328, 87.6022,
106.9875

 85.9328, 87.6022,
106.9875

503.1469,
520.1996, 603.8074

 64.9375, 65.9937,
81.4995


140.5830,
144.0032, 172.8623

 47.6749, 48.2673,
60.4196


174.9686,
179.5645, 214.0861

 33.7797, 34.0386,
43.3295

214.5484,
220.5454, 261.3923

 22.8865, 22.9232,
29.8104

259.6877,
267.3305, 315.1994

 14.6299, 14.5368,
19.4439

310.7518,
320.3041, 375.9259

 8.6447, 8.4950,
11.8114

368.1062,

 4.5654, 4.4133,

379.8505, 443.9904

6.4944

432.1161,
446.3542, 519.8113

■ 2.0267, 1.9073,
3.0744

■ 0.6489, 0.5528,
1.1327

■ 85.9328, 87.6022,
106.9875

■ 85.9328, 87.6022,
106.9875

■ 73.5564, 70.9724,
104.4299

95.0500, 100.0000,
108.9000

■ 62.6846, 56.6115,
102.2310

■ 53.2586, 44.4217,
100.3749

■ 45.2131, 34.2939,
98.8441

■ 38.4773, 26.1093,
97.6194

■ 32.9736, 19.7364,
96.6793

■ 28.6151, 15.0270,
96.0001

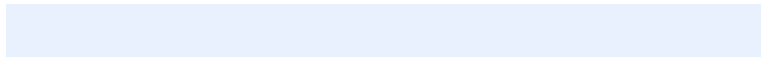
■ 25.3019, 11.8079,
95.5533

■ 22.9115, 9.8632,
95.3040

Harmonies

Analogous

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



83.6025, 87.6022, 109.4755



85.9328, 87.6022, 106.9875



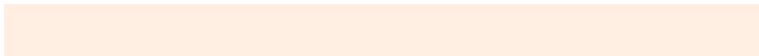
87.5719, 87.6022, 101.3902

Triad

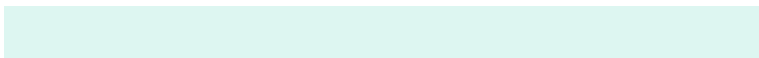
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9328, 87.6022, 106.9875



85.3349, 87.6022, 83.7583



78.6548, 87.6022, 96.3575

Complementary

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



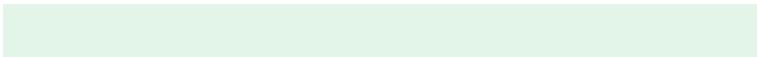
85.9328, 87.6022, 106.9875



90.2617, 97.8338, 95.0198

Split Complementary

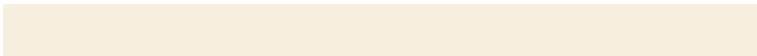
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0983, 87.6022, 89.6196



85.9328, 87.6022, 106.9875



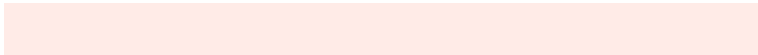
82.9249, 87.6022, 82.5566

Square

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



85.9328, 87.6022, 106.9875



87.2220, 87.6022, 88.0171



80.6496, 87.6022, 84.6512



79.4261, 87.6022, 103.1507

Rectangle

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



85.9328, 87.6022, 106.9875



88.0353, 87.6022, 96.7705



80.6496, 87.6022, 84.6512



78.6669, 87.6022, 94.0106

Sweetspot

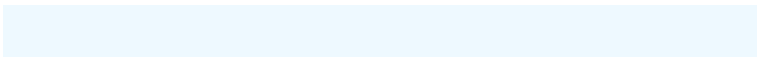
The Sweet Spot groups the original color and five complimentary colors.



85.9351, 87.6058, 106.9881



92.2407, 96.1685, 108.3085



87.2036, 93.1816, 107.9975



19.7728, 20.6242, 23.1887



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.



85.9351, 87.6058, 106.9881



84.1926, 85.2494, 106.6251



88.9346, 89.1521, 107.1285



17.6076, 17.6895, 22.7363



11.7793, 4.9830, 49.7755



1.2602, 0.5436, 4.8518

Inverse Universe

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



88.9157, 89.2522, 102.1666



87.7465, 87.2129, 100.8551



87.3173, 96.3159, 94.8820



18.5046, 18.1851, 21.2741



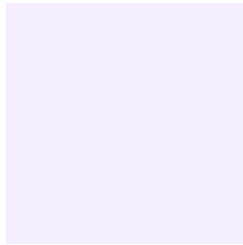
25.1723, 12.5582, 20.0897



2.5029, 1.2435, 2.2295

Previews

White Background



This preview shows how the XYZ color 85.9328, 87.6022, 106.9875 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 85.9328, 87.6022, 106.9875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

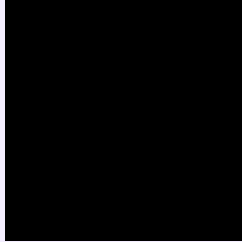
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.9328, 87.6022, 106.9875

Background



This preview shows how black text looks on a background with the XYZ color 85.9328, 87.6022, 106.9875.



This preview shows how white text looks on a background with the XYZ color 85.9328, 87.6022,

106.9875.

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

85.9328, 87.6022, 106.9875

Protanopia

84.8517, 87.4783, 107.0206

Deuteranopia

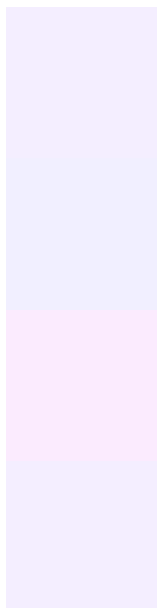
88.5522, 87.2614, 105.9419



Tritanopia

85.9328, 87.6022, 106.9875

Trichromacy



Original Color

85.9328, 87.6022, 106.9875

Protanomaly

85.1921, 87.6538, 107.0365

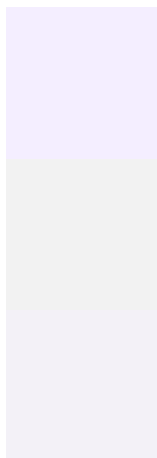
Deuteranomaly

87.3814, 87.0816, 105.9689

Tritanomaly

85.9328, 87.6022, 106.9875

Monochromacy



Original Color

85.9328, 87.6022, 106.9875

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.2059, 88.6807, 100.6219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9328, 87.6022, 106.9875 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 238, 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, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.9328, 87.6022, 106.9875 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, 238, 255) }
```


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

```
.border{ border-color:rgb(244, 238, 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, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9328, 87.6022, 106.9875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 238, 255) }
```

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

```
.background{ background-color: rgb(244,  
238, 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](#).

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