

Converting Colors

XYZ(87.1681, 85.3937,
102.7042)

Have a look what the booklet for
XYZ(87.1681, 85.3937, 102.7042)
contains.

XYZ(87.0712, 85.3140, 102.3206)	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(87.0712, 85.3140,
102.3206)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7FA
RGB	255, 231, 250
RGB Percent	100%, 91%, 98%
CMY	0.0000, 0.0941, 0.0196
CMYK	0.00, 0.09, 0.02, 0.00
HSL	312°, 100%, 95%
HSV	312°, 9%, 100%
XYZ	87.0712, 85.3140, 102.3206
YIQ	240.3420, 8.2050, 10.9970

Conversions

Conversions Part 2

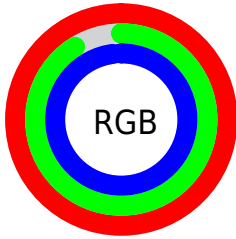
Format	Color
RYB	255, 231, 250
Decimal	16771066
CIELab	94.02, 11.39, -6.21
CIELCh	94, 12.971, 331.387
Yxy	85.3140, 0.3170, 0.3106
Android (android.graphics.Color)	4294961146 (0xFFFFE7FA)
YUV	240.3420, 4.7614, 12.8551
Hunter-Lab	92.3656, 6.6287, -1.0243

Details

The XYZ color **87.0712, 85.3140, 102.3206** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.8579, 94.5663, 93.1937**, and the grayscale version is **83.0535, 87.3787, 95.1554**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3563, 46.5608, 57.4774** is the 20% darker color. If you saturate the color by 10%, you get **79.6266, 71.7388, 95.7880**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

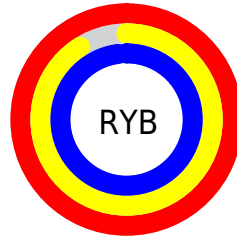
Distribution



Red (100%)

Green (91%)

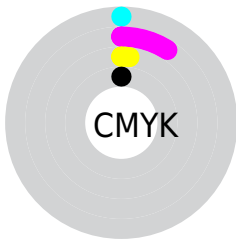
Blue (98%)



Red (100%)

Yellow (91%)

Blue (98%)

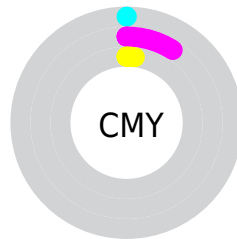


Cyan (0%)

Magenta (9%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.0712, 85.3140, 102.3206 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 87.0712, 85.3140, 102.3206 by changing the saturation by 10% instead.

87.0712, 85.3140,
102.3206

87.0712, 85.3140,
102.3206

506.8378,
512.6665, 588.9175

65.8824, 64.1009,
77.6123

142.1625,
140.8118, 166.4222

48.4443, 46.7324,
57.2410

176.7957,
175.8652, 206.6526

34.3916, 32.8241,
40.7881

216.6411,
216.3009, 252.8941

23.3589, 21.9918,
27.8351

262.0640,
262.5032, 305.5653

14.9809, 13.8508,
17.9634

313.4297,
314.8565, 365.0847

8.8922, 8.0170,
10.7546

371.1037,

4.7275, 4.1058,

373.7453, 431.8708

5.7900

435.4513,
439.5538, 506.3422

■ 2.1214, 1.7329,
2.6511

■ 0.7008, 0.4448,
0.9186

■ 87.0712, 85.3140,
102.3206

■ 87.0712, 85.3140,
102.3206

■ 79.6266, 71.7388,
95.7880

95.0500, 100.0000,
108.9000

■ 73.1983, 60.1593,
89.7077

■ 67.7399, 50.4829,
84.0647

■ 63.1994, 42.6055,
78.8406

■ 59.5195, 36.4130,
74.0153

■ 56.6365, 31.7783,
69.5665

■ 54.4776, 28.5562,
65.4691

■ 52.9563, 26.5738,
61.6932

■ 51.9397, 25.5661,
58.1935

Harmonies

Analogous

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



84.6035, 85.3140, 110.1287



87.0712, 85.3140, 102.3206



87.9240, 85.3140, 92.4319

Triad

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



87.0712, 85.3140, 102.3206



80.9274, 85.3140, 75.1141



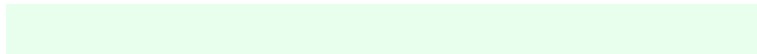
75.5397, 85.3140, 103.1752

Complementary

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



87.0712, 85.3140, 102.3206



83.8579, 94.5663, 93.1937

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.



74.6166, 85.3140, 93.3545



87.0712, 85.3140, 102.3206



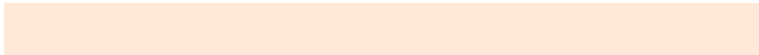
77.6720, 85.3140, 77.5556

Square

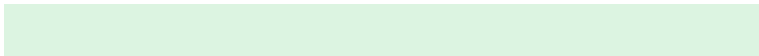
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



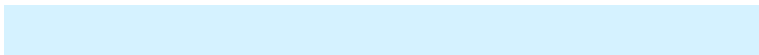
87.0712, 85.3140, 102.3206



84.3169, 85.3140, 77.1473



75.3861, 85.3140, 84.0620



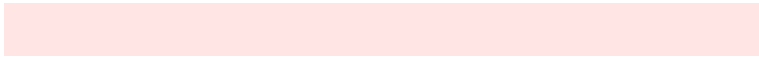
77.9434, 85.3140, 110.6462

Rectangle

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



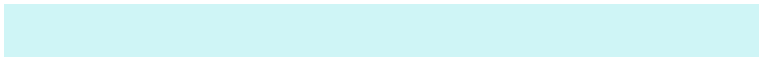
87.0712, 85.3140, 102.3206



87.4434, 85.3140, 86.1150



75.3861, 85.3140, 84.0620



75.0490, 85.3140, 100.0165

Sweetspot

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



87.0732, 85.3174, 102.3224



92.4023, 95.1136, 106.7569



81.1549, 82.1747, 106.1917



19.6300, 20.0857, 22.7293



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.



87.0732, 85.3174, 102.3224



85.8187, 83.0202, 101.2520



85.2803, 84.6003, 92.8811



18.6210, 18.2317, 21.8874



27.1680, 13.3565, 30.5986



2.6840, 1.3160, 3.1835

Inverse Universe

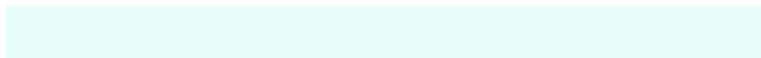
The Inverse Universe completely reimagines the original color for something new.



87.0732, 85.3174, 102.3224



85.8187, 83.0202, 101.2520



85.6295, 95.2749, 102.5226



18.6210, 18.2317, 21.8874



27.1680, 13.3565, 30.5986



2.6840, 1.3160, 3.1835

Previews

White Background



This preview shows how the XYZ color 87.0712, 85.3140, 102.3206 looks on a white background.

Color Contrast Check

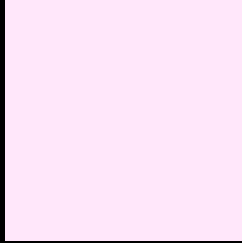
Large Text (above 18pt) WCAG AA × Fail

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 87.0712, 85.3140, 102.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

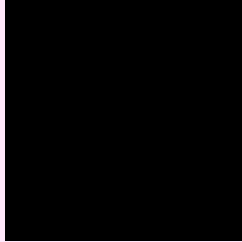
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.0712, 85.3140, 102.3206

Background



This preview shows how black text looks on a background with the XYZ color 87.0712, 85.3140, 102.3206.



This preview shows how white text looks on a background with the XYZ color 87.0712, 85.3140,

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

87.0712, 85.3140, 102.3206

Protanopia

82.9850, 85.2599, 105.0115

Deuteranopia

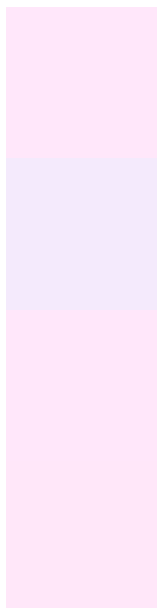
87.0712, 85.3140, 102.3206



Tritanopia

86.9148, 85.2514, 101.4968

Trichromacy



Original Color

87.0712, 85.3140, 102.3206

Protanomaly

84.3017, 85.1070, 104.0796

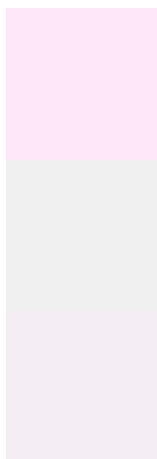
Deuteranomaly

87.0712, 85.3140, 102.3206

Tritanomaly

86.9148, 85.2514, 101.4968

Monochromacy



Original Color

87.0712, 85.3140, 102.3206

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

84.2695, 86.5125, 97.8451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.0712, 85.3140, 102.3206 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, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 250)  
}
```

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, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 250) }
```

Border

The CSS property to change the border of an element to XYZ 87.0712, 85.3140, 102.3206 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, 231, 250) }
```


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

```
.border{ border-color:rgb(255, 231, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 87.0712, 85.3140, 102.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 250) }
```

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

```
.background{ background-color: rgb(255,  
231, 250) }
```

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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