

Converting Colors

XYZ(84.0598, 83.9180, 87.0523)

Have a look what the booklet for
XYZ(84.0598, 83.9180, 87.0523)
contains.

XYZ(84.2397, 84.1813, 87.4100)	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(84.2397, 84.1813,
87.4100)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7E7
RGB	255, 231, 231
RGB Percent	100%, 91%, 91%
CMY	0.0000, 0.0941, 0.0941
CMYK	0.00, 0.09, 0.09, 0.00
HSL	0°, 100%, 95%
HSV	0°, 9%, 100%
XYZ	84.2397, 84.1813, 87.4100
YIQ	238.1760, 14.3040, 5.0880

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 231, 231
Decimal	16771047
CIE Lab	93.53, 8.17, 2.96
CIE LCh	94, 8.694, 19.936
Yxy	84.1813, 0.3293, 0.3291
Android (android.graphics.Color)	4294961127 (0xFFFFE7E7)
YUV	238.1760, -3.5378, 14.7546
Hunter-Lab	91.7504, 3.3249, 7.7400

Details

The XYZ color **84.2397, 84.1813, 87.4100** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7641, 95.7264, 108.5118**, and the grayscale version is **81.4248, 85.6652, 93.2894**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3565, 45.7609, 46.9469** is the 20% darker color. If you saturate the color by 10%, you get **74.2738, 69.5994, 67.5950**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



Red (100%)

Green (91%)

Blue (91%)



Red (100%)

Yellow (91%)

Blue (91%)



Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.2397, 84.1813, 87.4100 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 84.2397, 84.1813, 87.4100 by changing the saturation by 10% instead.


 84.2397, 84.1813,
87.4100

 84.2397, 84.1813,
87.4100


497.6305,
508.9151, 539.9203

 63.5337, 63.1651,
65.2730


138.2300,
139.2288, 145.6394

 46.5334, 45.9748,
47.2297


172.2450,
174.0288, 182.5688

 32.8733, 32.2259,
32.8617


211.4270,
214.1923, 225.2662

 22.1882, 21.5341,
21.7502

256.1415,
260.1037, 274.1500

 14.1126, 13.5150,
13.4769

306.7537,
312.1472, 329.6387

 8.2813, 7.7841,
7.6232

363.6290,

 4.3288, 3.9571,

370.7074, 392.1510

3.7705

427.1329,
436.1685, 462.1054

■ 1.8898, 1.6496,
1.5003

■ 0.5709, 0.3907,
0.2182

■ 84.2397, 84.1813,
87.4100

■ 84.2397, 84.1813,
87.4100

■ 74.2738, 69.5994,
67.5950

95.0500, 100.0000,
108.9000

■ 65.8027, 57.2040,
50.7542

■ 58.7562, 46.8930,
36.7458

■ 53.0560, 38.5520,
25.4144

■ 48.6165, 32.0555,
16.5893

■ 45.3420, 27.2637,
10.0807

■ 43.1234, 24.0168,
5.6712

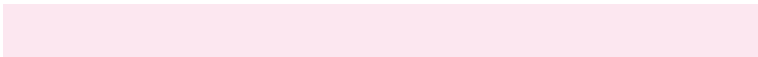
■ 41.8308, 22.1250,
3.1028

■ 41.2650, 21.2969,
1.9789

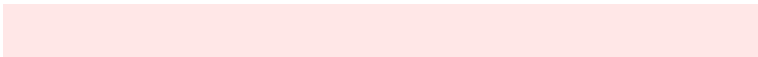
Harmonies

Analogous

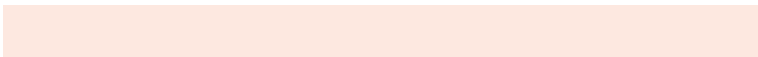
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4436, 84.1813, 93.8893



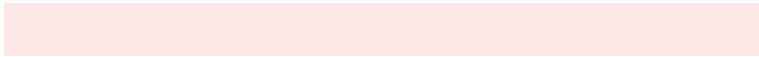
84.2397, 84.1813, 87.4100



82.8909, 84.1813, 82.3077

Triad

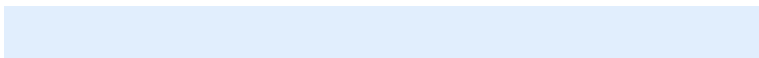
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2397, 84.1813, 87.4100



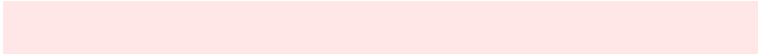
76.6762, 84.1813, 83.7498



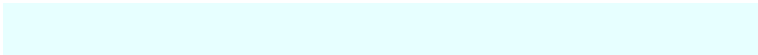
79.2418, 84.1813, 104.6977

Complementary

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



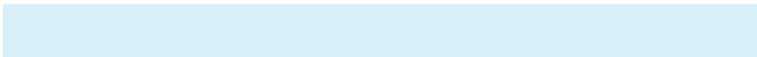
84.2397, 84.1813, 87.4100



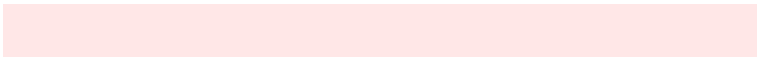
86.7641, 95.7264, 108.5118

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.



77.2002, 84.1813, 101.6933



84.2397, 84.1813, 87.4100



75.7378, 84.1813, 89.4645

Square

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



84.2397, 84.1813, 87.4100



78.5140, 84.1813, 80.2656



75.9278, 84.1813, 96.0438



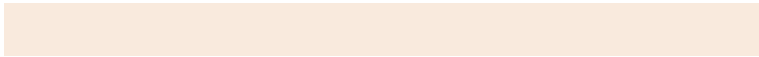
81.5285, 84.1813, 104.0828

Rectangle

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



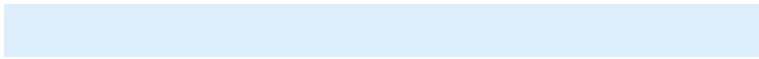
84.2397, 84.1813, 87.4100



81.5379, 84.1813, 80.2745



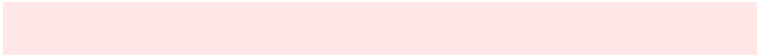
75.9278, 84.1813, 96.0438



78.5048, 84.1813, 104.0722

Sweetspot

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



84.2416, 84.1848, 87.4118



91.4509, 94.7337, 101.7446



87.8664, 85.6327, 106.5055



19.3736, 19.9833, 21.3786



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

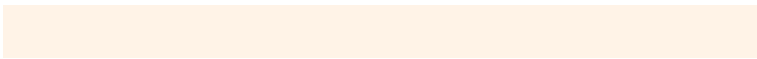
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2416, 84.1848, 87.4118



82.5550, 81.7169, 84.0587



87.7149, 91.1313, 88.5695



18.0097, 17.9876, 18.6671



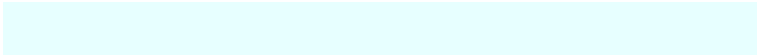
21.5492, 11.1096, 1.0086



2.0983, 1.0819, 0.0982

Inverse Universe

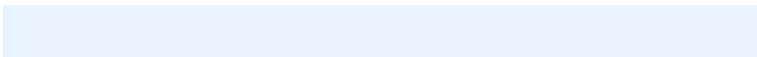
The Inverse Universe completely reimagines the original color for something new.



86.7641, 95.7264, 108.5118



85.4712, 95.0595, 108.4513



83.0564, 88.3109, 107.2759



18.5546, 20.4809, 23.2252



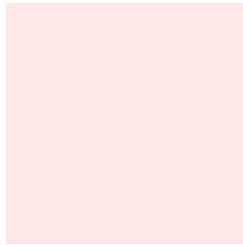
28.1093, 41.1282, 55.8916



2.7370, 4.0047, 5.4420

Previews

White Background



This preview shows how the XYZ color 84.2397, 84.1813, 87.4100 looks on a white background.

Color Contrast Check

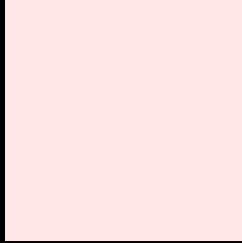
Large Text (above 18pt) WCAG AA × Fail

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 84.2397, 84.1813, 87.4100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

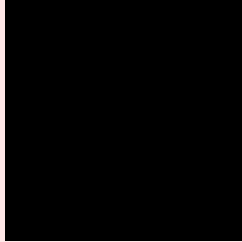
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

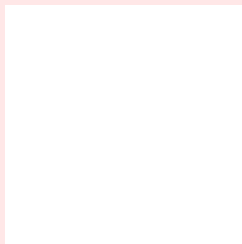
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.2397, 84.1813, 87.4100

Background



This preview shows how black text looks on a background with the XYZ color 84.2397, 84.1813, 87.4100.



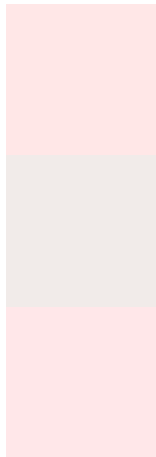
This preview shows how white text looks on a background with the XYZ color 84.2397, 84.1813,

87.4100.

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

84.2397, 84.1813, 87.4100

Protanopia

80.6919, 84.0006, 89.0516

Deuteranopia

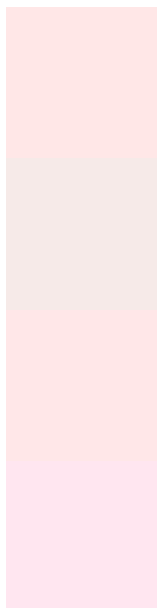
84.5239, 84.2950, 88.9065



Tritanopia

85.7407, 83.8912, 98.0598

Trichromacy



Original Color

84.2397, 84.1813, 87.4100

Protanomaly

81.9943, 84.2647, 88.2871

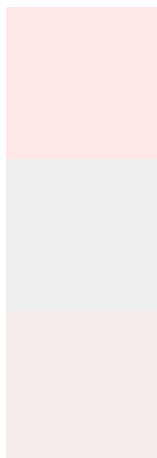
Deuteranomaly

84.3814, 84.2380, 88.1561

Tritanomaly

85.2650, 84.1449, 94.1857

Monochromacy



Original Color

84.2397, 84.1813, 87.4100

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

82.0120, 84.6479, 90.6134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2397, 84.1813, 87.4100 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, 231) looks like.

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

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, 231) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 84.2397, 84.1813, 87.4100 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, 231) }
```


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

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

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, 231)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 84.2397, 84.1813, 87.4100 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, 231) }
```

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

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

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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