

Converting Colors

XYZ(83.4409, 87.6183, 75.7336)

Have a look what the booklet for
XYZ(83.4409, 87.6183, 75.7336)
contains.

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Color

**XYZ(83.3848, 87.4197,
75.4296)**

Conversions

Conversions Part 1

Format	Color
Hex	FDEFD5
RGB	253, 239, 213
RGB Percent	99%, 94%, 84%
CMY	0.0078, 0.0627, 0.1647
CMYK	0.00, 0.06, 0.16, 0.01
HSL	39°, 91%, 91%
HSV	39°, 16%, 99%
XYZ	83.3848, 87.4197, 75.4296
YIQ	240.2220, 16.6900, -5.1180

Conversions

Conversions Part 2

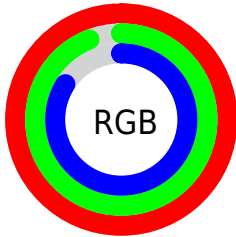
Format	Color
R _Y B	235, 253, 213
Decimal	16642005
CIE Lab	94.92, 0.57, 14.27
CIE LCh	95, 14.279, 87.732
Yxy	87.4197, 0.3386, 0.3550
Android (android.graphics.Color)	4294832085 (0xFFFDEFD5)
YUV	240.2220, -13.4204, 11.2063
Hunter-Lab	93.4985, -4.4307, 17.6169

Details

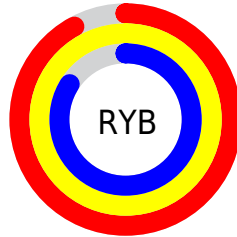
The XYZ color **83.3848, 87.4197, 75.4296** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.6391, 76.1748, 103.8041**, and the grayscale version is **83.0930, 87.4203, 95.2007**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8700, 48.0714, 39.2088** is the 20% darker color. If you saturate the color by 10%, you get **77.8931, 81.1802, 58.9725**, and if you desaturate by 10%, it is **89.5092, 94.1212, 94.5713**.

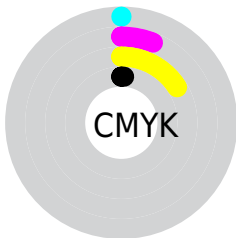
Distribution



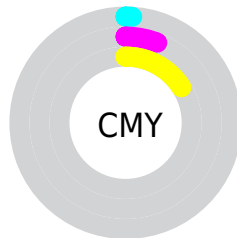
- Red (99%)
- Green (94%)
- Blue (84%)



- Red (92%)
- Yellow (99%)
- Blue (84%)



- Cyan (0%)
- Magenta (6%)
- Yellow (16%)
- Black (1%)




- Cyan (1%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3848, 87.4197, 75.4296 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 83.3848, 87.4197, 75.4296 by changing the saturation by 10% instead.


 83.3848, 87.4197,
75.4296

 83.3848, 87.4197,
75.4296

494.8326,
519.6010, 498.6876

 62.8256, 65.8426,
55.4611

137.0400,
143.7490, 128.6730

 45.9583, 48.1446,
39.3699


170.8667,
179.2699, 162.7849

 32.4174, 33.9414,
26.7376


209.8467,
220.2076, 202.4484

 21.8376, 22.8486,
17.1455

254.3453,
266.9465, 248.0819

 13.8535, 14.4818,
10.1752

304.7278,
319.8708, 300.1040

 8.0999, 8.4565,
5.4082

361.3596,

 4.2113, 4.3884,

379.3651, 358.9334

2.4258

424.6061,
445.8137, 424.9884

■ 1.8223, 1.8931,
0.8004

■ 0.5311, 0.5442,
0.0000

■ 83.3848, 87.4197,
75.4296

■ 83.3848, 87.4197,
75.4296

■ 77.8931, 81.1802,
58.9725

■ 89.5092, 94.1212,
94.5713

■ 73.0020, 75.3783,
45.0717

94.3184, 99.6229,
108.8658

■ 68.6872, 70.0041,
33.5970

■ 64.9194, 65.0431,
24.4043

■ 61.6666, 60.4792,
17.3338

■ 58.8927, 56.2950,
12.2054

■ 56.5557, 52.4703,
8.8081

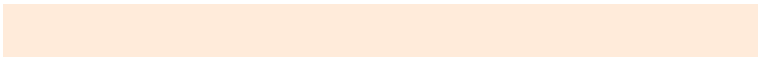
■ 54.6042, 48.9814,
6.8810

■ 53.8700, 47.6061,
6.3496

Harmonies

Analogous

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



87.1284, 87.4197, 78.2702



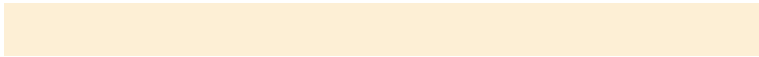
83.3848, 87.4197, 75.4296



79.6732, 87.4197, 77.5319

Triad

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



83.3848, 87.4197, 75.4296



76.6725, 87.4197, 105.4560



89.5455, 87.4197, 107.0287

Complementary

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



83.3848, 87.4197, 75.4296



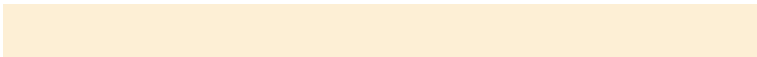
72.6391, 76.1748, 103.8041

Split Complementary

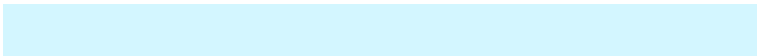
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6027, 87.4197, 115.3333



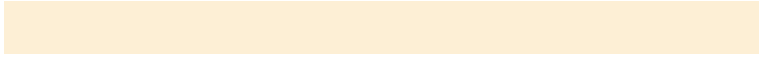
83.3848, 87.4197, 75.4296



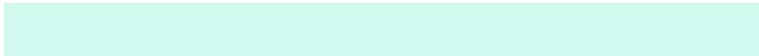
79.1780, 87.4197, 114.3768

Square

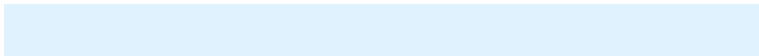
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3848, 87.4197, 75.4296



75.8703, 87.4197, 94.3438



82.7955, 87.4197, 118.1201



90.7534, 87.4197, 96.0315

Rectangle

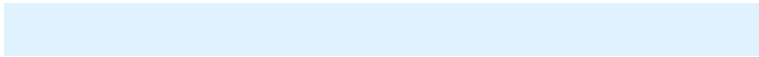
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3848, 87.4197, 75.4296



77.7012, 87.4197, 81.5519



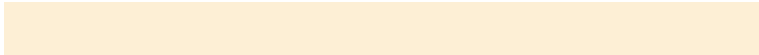
82.7955, 87.4197, 118.1201



88.7219, 87.4197, 110.2590

Sweetspot

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



83.3872, 87.4236, 75.4315



91.6579, 96.3925, 97.9761



78.1685, 74.0184, 82.8412



19.5194, 20.5255, 20.6546



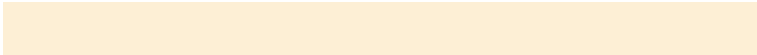
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

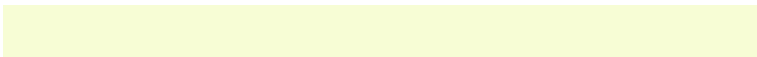
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3872, 87.4236, 75.4315



83.0361, 86.9202, 71.1442



85.4943, 94.8298, 76.7499



18.9950, 19.9582, 18.9955



28.7985, 25.6082, 3.4250



2.9065, 2.6985, 0.3677

Inverse Universe

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



72.6391, 76.1748, 103.8041



70.1785, 73.4646, 105.0890



70.7384, 69.7417, 102.6626



17.5228, 18.4172, 22.8813



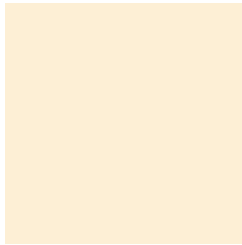
11.4336, 7.7768, 50.3330



1.2111, 0.9529, 4.9334

Previews

White Background



This preview shows how the XYZ color 83.3848, 87.4197, 75.4296 looks on a white background.

Color Contrast Check

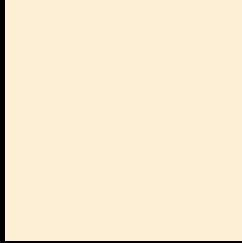
Large Text (above 18pt) WCAG AA × Fail

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 83.3848, 87.4197, 75.4296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

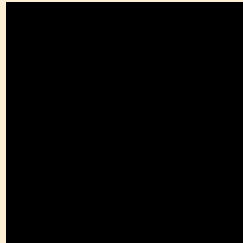
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.3848, 87.4197, 75.4296

Background



This preview shows how black text looks on a background with the XYZ color 83.3848, 87.4197, 75.4296.



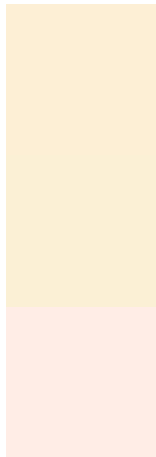
This preview shows how white text looks on a background with the XYZ color 83.3848, 87.4197,

75.4296.

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

83.3848, 87.4197, 75.4296

Protanopia

82.9540, 87.6335, 75.4936

Deuteranopia

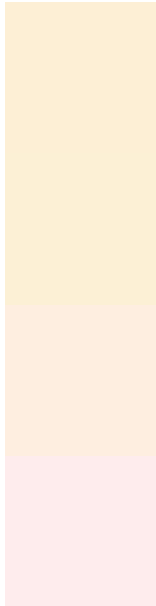
85.8071, 87.5415, 87.2376



Tritanopia

88.2036, 87.5788, 102.6980

Trichromacy



Original Color

83.3848, 87.4197, 75.4296

Protanomaly

83.3152, 87.8197, 75.5105

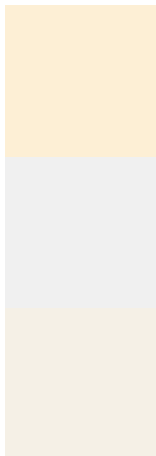
Deuteranomaly

84.9021, 87.6017, 82.9550

Tritanomaly

86.1546, 87.1762, 92.4066

Monochromacy



Original Color

83.3848, 87.4197, 75.4296

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.0992, 87.4458, 87.3618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3848, 87.4197, 75.4296 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, 239, 213) looks like.

```
.text, #text, p{  
    color:rgb(253, 239, 213)  
}
```

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, 239, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 239, 213) }
```

Border

The CSS property to change the border of an element to XYZ 83.3848, 87.4197, 75.4296 is called "border". The border property can be set on classes, ids or directly on the HTML element.

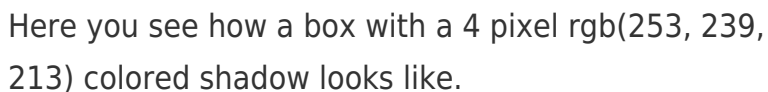
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(253, 239, 213) }
```


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

```
.border{ border-color:rgb(253, 239, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(253, 239, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 239, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 239, 213); box-shadow:4px 4px 4px 4px rgb(253, 239, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3848, 87.4197, 75.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 239, 213) }
```

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

```
.background{ background-color: rgb(253,  
239, 213) }
```

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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