

Converting Colors

XYZ(84.1778, 87.6745, 76.2386)

Have a look what the booklet for
XYZ(84.1778, 87.6745, 76.2386)
contains.

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Color

**XYZ(84.2441, 87.8480,
76.1346)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFD6
RGB	255, 239, 214
RGB Percent	100%, 94%, 84%
CMY	0.0000, 0.0627, 0.1608
CMYK	0.00, 0.06, 0.16, 0.00
HSL	37°, 100%, 92%
HSV	37°, 16%, 100%
XYZ	84.2441, 87.8480, 76.1346
YIQ	240.9340, 17.5610, -4.3830

Conversions

Conversions Part 2

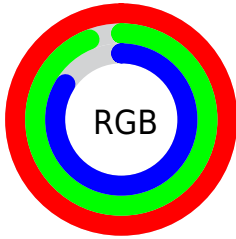
Format	Color
R _Y B	240, 255, 214
Decimal	16773078
CIE Lab	95.10, 1.42, 14.03
CIE LCh	95, 14.103, 84.204
Yxy	87.8480, 0.3394, 0.3539
Android (android.graphics.Color)	4294963158 (0xFFFFEFD6)
YUV	240.9340, -13.2785, 12.3359
Hunter-Lab	93.7273, -3.5830, 17.4479

Details

The XYZ color **84.2441, 87.8480, 76.1346** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.0778, 78.1077, 105.7797**, and the grayscale version is **83.6505, 88.0068, 95.8394**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4802, 48.3759, 39.6886** is the 20% darker color. If you saturate the color by 10%, you get **78.4068, 80.9834, 59.3600**, and if you desaturate by 10%, it is **90.7557, 95.2446, 95.6514**.

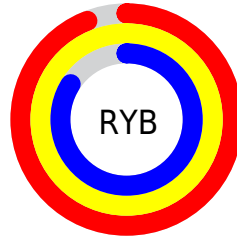
Distribution



Red (100%)

Green (94%)

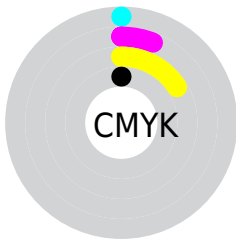
Blue (84%)



Red (94%)

Yellow (100%)

Blue (84%)

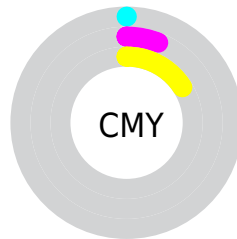


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2441, 87.8480, 76.1346 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 84.2441, 87.8480, 76.1346 by changing the saturation by 10% instead.


 84.2441, 87.8480,
76.1346

 84.2441, 87.8480,
76.1346


497.6449,
521.0053, 501.1674

 63.5374, 66.1972,
56.0356


138.2361,
144.3455, 129.6790

 46.5364, 48.4325,
39.8273


172.2520,
179.9610, 163.9614

 32.8757, 34.1695,
27.0911


211.4351,
221.0002, 203.8087

 22.1900, 23.0239,
17.4086

256.1507,
267.8475, 249.6395

 14.1140, 14.6111,
10.3612

306.7641,
320.8873, 301.8722

 8.2822, 8.5469,
5.5304

363.6407,

 4.3294, 4.4469,

380.5039, 360.9254

2.4976

427.1459,
447.0818, 427.2176

■ 1.8901, 1.9265,
0.8389

■ 0.5711, 0.5643,
0.0000

■ 84.2441, 87.8480,
76.1346

■ 84.2441, 87.8480,
76.1346

■ 78.4068, 80.9834,
59.3600

■ 90.7557, 95.2446,
95.6514

■ 73.2114, 74.6251,
45.1967

95.0500, 100.0000,
108.9000

■ 68.6318, 68.7613,
33.5111

■ 64.6376, 63.3756,
24.1557

■ 61.1951, 58.4501,
16.9672

■ 58.2665, 53.9652,
11.7605

■ 55.8080, 49.8986,
8.3194

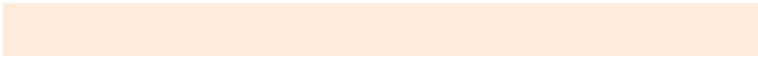
■ 53.7658, 46.2240,
6.3756

■ 53.0483, 44.8766,
5.8661

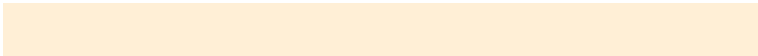
Harmonies

Analogous

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



87.8864, 87.8480, 79.5183



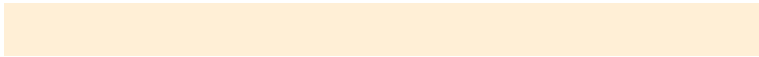
84.2441, 87.8480, 76.1346



80.5088, 87.8480, 77.6468

Triad

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



84.2441, 87.8480, 76.1346



76.9476, 87.8480, 104.5773



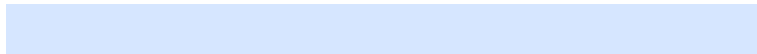
89.6244, 87.8480, 108.5486

Complementary

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



84.2441, 87.8480, 76.1346



74.0778, 78.1077, 105.7797

Split Complementary

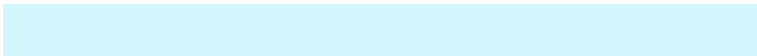
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5580, 87.8480, 116.2443



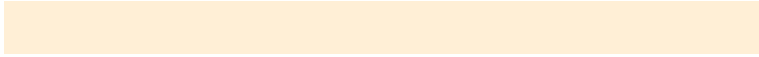
84.2441, 87.8480, 76.1346



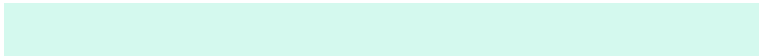
79.2560, 87.8480, 113.8314

Square

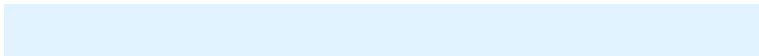
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2441, 87.8480, 76.1346



76.3706, 87.8480, 93.5338



82.7541, 87.8480, 118.2477



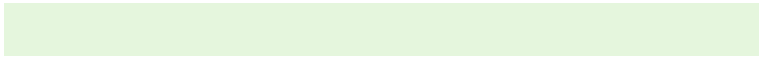
91.0532, 87.8480, 97.8010

Rectangle

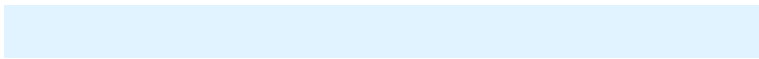
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2441, 87.8480, 76.1346



78.4585, 87.8480, 81.2917



82.7541, 87.8480, 118.2477



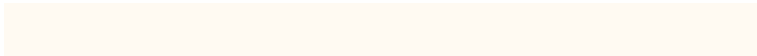
88.7465, 87.8480, 111.6101

Sweetspot

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



84.2461, 87.8517, 76.1364



91.4983, 96.0733, 97.9229



79.6264, 75.0898, 85.4556



19.4806, 20.4478, 20.6417



0.0000, 0.0000, 0.0000



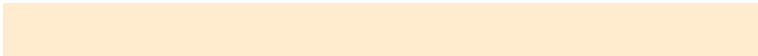
20.3446, 21.4041, 23.3091

Same Dimension

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



84.2461, 87.8517, 76.1364



82.4715, 85.7910, 70.9560



87.6456, 96.8658, 77.6972



18.9315, 19.8312, 18.9743



27.8683, 23.7479, 3.1150



2.8197, 2.5248, 0.3387

Inverse Universe

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



74.0778, 78.1077, 105.7797



70.7039, 74.5152, 105.2641



71.0409, 70.2352, 104.4202



17.5842, 18.5399, 22.9017



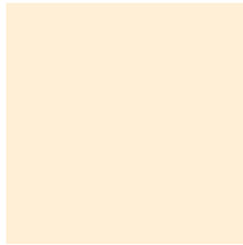
11.9211, 8.7519, 50.4956



1.2632, 1.0570, 4.9507

Previews

White Background



This preview shows how the XYZ color 84.2441, 87.8480, 76.1346 looks on a white background.

Color Contrast Check

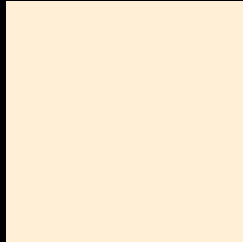
Large Text (above 18pt) WCAG AA × Fail

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 84.2441, 87.8480, 76.1346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

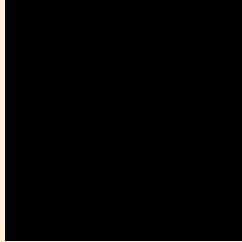
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.2441, 87.8480, 76.1346

Background



This preview shows how black text looks on a background with the XYZ color 84.2441, 87.8480, 76.1346.

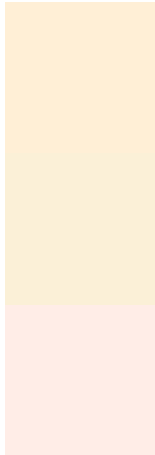


This preview shows how white text looks on a background with the XYZ color 84.2441, 87.8480,

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

84.2441, 87.8480, 76.1346

Protanopia

83.2095, 87.7357, 76.8391

Deuteranopia

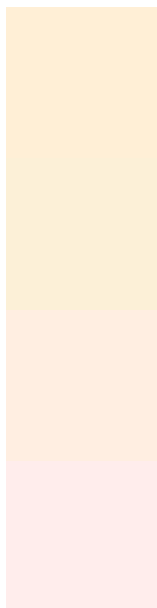
85.9480, 87.5979, 87.9794



Tritanopia

88.3343, 88.0905, 101.9700

Trichromacy



Original Color

84.2441, 87.8480, 76.1346

Protanomaly

83.5707, 87.9219, 76.8560

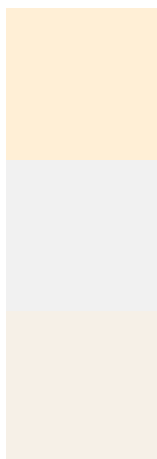
Deuteranomaly

85.4051, 87.8453, 83.6887

Tritanomaly

86.6645, 87.8845, 91.7526

Monochromacy



Original Color

84.2441, 87.8480, 76.1346

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.5899, 87.6825, 88.1201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2441, 87.8480, 76.1346 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, 239, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 214)  
}
```

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, 239, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 214) }
```

Border

The CSS property to change the border of an element to XYZ 84.2441, 87.8480, 76.1346 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, 239, 214) }
```


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

```
.border{ border-color:rgb(255, 239, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2441, 87.8480, 76.1346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 214) }
```

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

```
.background{ background-color: rgb(255,  
239, 214) }
```

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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