

Converting Colors

XYZ(83.7541, 88.6569, 70.4563)

Have a look what the booklet for
XYZ(83.7541, 88.6569, 70.4563)
contains.

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Color

**XYZ(83.7147, 88.5784,
70.4427)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF1CD
RGB	255, 241, 205
RGB Percent	100%, 95%, 80%
CMY	0.0000, 0.0549, 0.1961
CMYK	0.00, 0.05, 0.20, 0.00
HSL	43°, 100%, 90%
HSV	43°, 20%, 100%
XYZ	83.7147, 88.5784, 70.4427
YIQ	241.0820, 19.9000, -8.2280

Conversions

Conversions Part 2

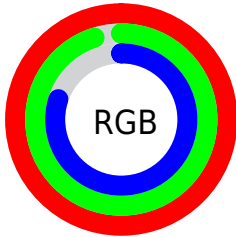
Format	Color
RYB	224, 255, 205
Decimal	16773581
CIELab	95.40, -0.91, 19.10
CIELCh	95, 19.120, 92.720
Yxy	88.5784, 0.3449, 0.3649
Android (android.graphics.Color)	4294963661 (0xFFFFF1CD)
YUV	241.0820, -17.7884, 12.2061
Hunter-Lab	94.1161, -5.9304, 21.5047

Details

The XYZ color **83.7147, 88.5784, 70.4427** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.5577, 70.8601, 104.6717**, and the grayscale version is **83.8002, 88.1644, 96.0110**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2236, 48.9381, 36.2879** is the 20% darker color. If you saturate the color by 10%, you get **78.8132, 83.3063, 54.8403**, and if you desaturate by 10%, it is **89.2051, 94.2244, 88.7185**.

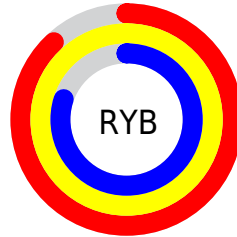
Distribution



Red (100%)

Green (95%)

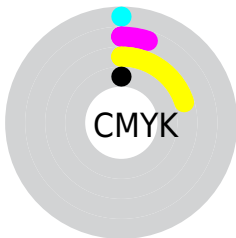
Blue (80%)



Red (88%)

Yellow (100%)

Blue (80%)

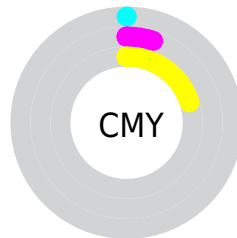


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7147, 88.5784, 70.4427 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 83.7147, 88.5784, 70.4427 by changing the saturation by 10% instead.


 83.7147, 88.5784,
70.4427

 83.7147, 88.5784,
70.4427


495.9133,
523.3955, 480.9339

 63.0988, 66.8022,
51.4085

137.4993,
145.3621, 121.5269

 46.1801, 48.9239,
36.1548


171.3988,
181.1385, 154.4140

 32.5932, 34.5591,
24.2632


210.4569,
222.3503, 192.7557

 21.9727, 23.3234,
15.3149

255.0389,
269.3820, 236.9707

 13.9534, 14.8325,
8.8916

305.5102,
322.6180, 287.4775

 8.1697, 8.7019,
4.5747

362.2361,

 4.2565, 4.5473,

382.4426, 344.6946

1.9456

425.5820,
449.2403, 409.0406

■ 1.8482, 1.9842,
0.5215

■ 0.5465, 0.5983,
0.0000

■ 83.7147, 88.5784,
70.4427

■ 83.7147, 88.5784,
70.4427

■ 78.8132, 83.3063,
54.8403

■ 89.2051, 94.2244,
88.7185

■ 74.4689, 78.3851,
41.7776

95.0500, 100.0000,
108.9000

■ 70.6566, 73.8061,
31.1177

■ 67.3465, 69.5558,
22.7085

■ 64.5056, 65.6195,
16.3805

■ 62.0961, 61.9805,
11.9397

■ 60.0733, 58.6192,
9.1554

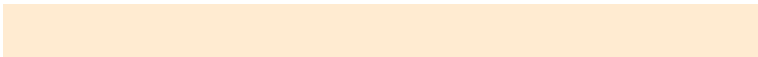
■ 58.3674, 55.5060,
7.6662

■ 58.3037, 55.3875,
7.6179

Harmonies

Analogous

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



88.8852, 88.5784, 73.0458



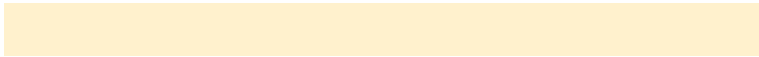
83.7147, 88.5784, 70.4427



78.8711, 88.5784, 74.1875

Triad

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



83.7147, 88.5784, 70.4427



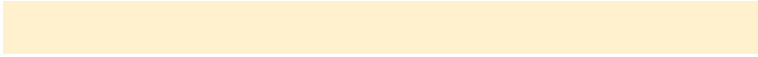
76.0103, 88.5784, 112.8684



93.4496, 88.5784, 110.2594

Complementary

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



83.7147, 88.5784, 70.4427



68.5577, 70.8601, 104.6717

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.



89.7451, 88.5784, 122.7649



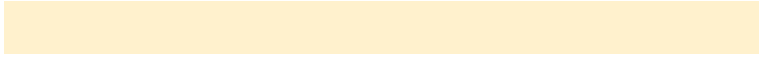
83.7147, 88.5784, 70.4427



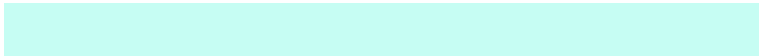
79.6653, 88.5784, 124.3775

Square

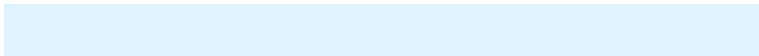
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7147, 88.5784, 70.4427



74.5397, 88.5784, 97.8203



84.6693, 88.5784, 128.1723



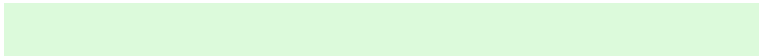
94.6416, 88.5784, 95.0863

Rectangle

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



83.7147, 88.5784, 70.4427



76.4397, 88.5784, 80.0318



84.6693, 88.5784, 128.1723



92.4495, 88.5784, 114.9657

Sweetspot

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



83.7169, 88.5823, 70.4446



91.3327, 96.3516, 95.9886



75.8801, 70.0469, 76.6550



19.4652, 20.5400, 20.2579



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.



83.7169, 88.5823, 70.4446



81.4922, 86.2202, 63.2683



84.1459, 95.1909, 71.6975



19.1063, 20.1807, 19.0326



30.5975, 29.2062, 4.0247



3.0715, 3.0284, 0.4227

Inverse Universe

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



68.5577, 70.8601, 104.6717



63.5234, 65.2160, 103.8477



68.1519, 65.4574, 103.6503



17.4168, 18.2053, 22.8460



10.7288, 6.3672, 50.0981



1.1321, 0.7948, 4.9070

Previews

White Background



This preview shows how the XYZ color 83.7147, 88.5784, 70.4427 looks on a white background.

Color Contrast Check

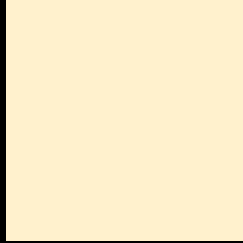
Large Text (above 18pt) WCAG AA × Fail

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 83.7147, 88.5784, 70.4427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

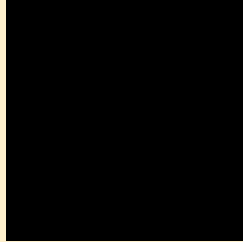
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.7147, 88.5784, 70.4427

Background



This preview shows how black text looks on a background with the XYZ color 83.7147, 88.5784, 70.4427.



This preview shows how white text looks on a background with the XYZ color 83.7147, 88.5784,

70.4427.

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

83.7147, 88.5784, 70.4427

Protanopia

83.3478, 88.3892, 70.4255

Deuteranopia

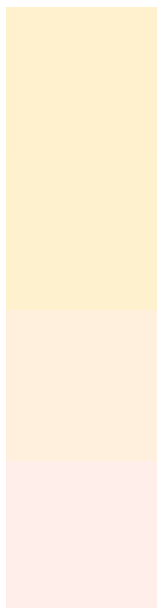
86.3894, 88.7062, 87.4317



Tritanopia

88.6231, 88.6679, 102.0662

Trichromacy



Original Color

83.7147, 88.5784, 70.4427

Protanomaly

83.3478, 88.3892, 70.4255

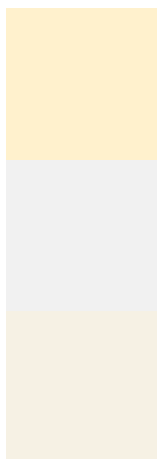
Deuteranomaly

85.4512, 88.8006, 81.0431

Tritanomaly

86.5225, 88.2923, 89.5727

Monochromacy



Original Color

83.7147, 88.5784, 70.4427

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.4649, 88.1049, 86.0057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7147, 88.5784, 70.4427 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, 241, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 205)  
}
```

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, 241, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 205) }
```

Border

The CSS property to change the border of an element to XYZ 83.7147, 88.5784, 70.4427 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, 241, 205) }
```


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

```
.border{ border-color:rgb(255, 241, 205) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7147, 88.5784, 70.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 205) }
```

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

```
.background{ background-color: rgb(255,  
241, 205) }
```

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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