

Converting Colors

XYZ(106.8981, 100.0000,
78.9186)

Have a look what the booklet for
XYZ(106.8981, 100.0000, 78.9186)
contains.

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Color

**XYZ(84.7948, 88.5380,
77.5861)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0D8
RGB	255, 240, 216
RGB Percent	100%, 94%, 85%
CMY	0.0000, 0.0588, 0.1529
CMYK	0.00, 0.06, 0.15, 0.00
HSL	37°, 100%, 92%
HSV	37°, 15%, 100%
XYZ	84.7948, 88.5380, 77.5861
YIQ	241.7490, 16.6440, -4.2840

Conversions

Conversions Part 2

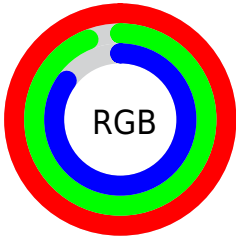
Format	Color
R_{YB}	240, 255, 216
Decimal	16773336
CIE _{Lab}	95.39, 1.22, 13.41
CIE _{LCh}	95, 13.465, 84.810
Yxy	88.5380, 0.3379, 0.3529
Android (android.graphics.Color)	4294963416 (0xFFFFF0D8)
YUV	241.7490, -12.6943, 11.6211
Hunter-Lab	94.0946, -3.8076, 16.9784

Details

The XYZ color **84.7948, 88.5380, 77.5861** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9442, 78.9686, 105.9002**, and the grayscale version is **84.2894, 88.6790, 96.5714**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8622, 48.8600, 40.6792** is the 20% darker color. If you saturate the color by 10%, you get **78.9423, 81.7058, 60.6133**, and if you desaturate by 10%, it is **91.3189, 95.8943, 97.3090**.

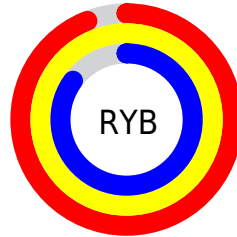
Distribution



Red (100%)

Green (94%)

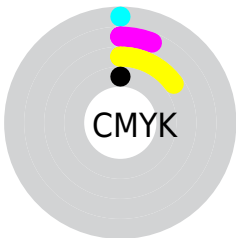
Blue (85%)



Red (94%)

Yellow (100%)

Blue (85%)

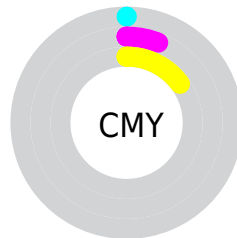


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7948, 88.5380, 77.5861 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 84.7948, 88.5380, 77.5861 by changing the saturation by 10% instead.


 84.7948, 88.5380,
77.5861

 84.7948, 88.5380,
77.5861


499.4427,
523.2635, 506.2507

 63.9938, 66.7687,
57.2196

139.0020,
145.3059, 131.7470

 46.9073, 48.8967,
40.7710


173.1388,
181.0734, 166.3786

 33.1700, 34.5375,
27.8219


212.4516,
222.2757, 206.6022

 22.4166, 23.3069,
17.9536

257.3057,
269.2972, 252.8365

 14.2816, 14.8203,
10.7476

308.0666,
322.5223, 305.4999

 8.3998, 8.6933,
5.7853

365.0994,

 4.4058, 4.5417,

382.3355, 365.0111

2.6483

428.7697,
449.1211, 431.7885

■ 1.9342, 1.9810,
0.9172

■ 0.5966, 0.5964,
0.0000

■ 84.7948, 88.5380,
77.5861

■ 84.7948, 88.5380,
77.5861

■ 78.9423, 81.7058,
60.6133

■ 91.3189, 95.8943,
97.3090

■ 73.7294, 75.3721,
46.2605

95.0500, 100.0000,
108.9000

■ 69.1304, 69.5256,
34.3950

■ 65.1150, 64.1501,
24.8704

■ 61.6499, 59.2281,
17.5247

■ 58.6980, 54.7403,
12.1751

■ 56.2161, 50.6652,
8.6083

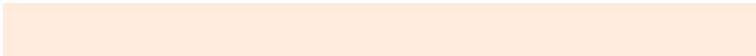
■ 54.1516, 46.9769,
6.5612

■ 53.2899, 45.3598,
5.9466

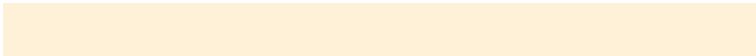
Harmonies

Analogous

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



88.2992, 88.5380, 80.7629



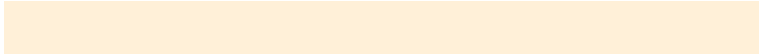
84.7948, 88.5380, 77.5861



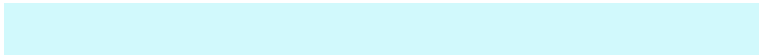
81.2166, 88.5380, 79.1437

Triad

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



84.7948, 88.5380, 77.5861



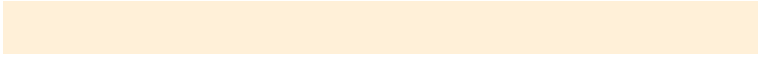
77.8882, 88.5380, 105.1641



90.0726, 88.5380, 108.5668

Complementary

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



84.7948, 88.5380, 77.5861



74.9442, 78.9686, 105.9002

Split Complementary

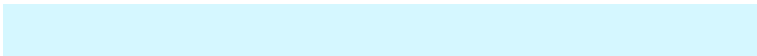
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1587, 88.5380, 116.0046



84.7948, 88.5380, 77.5861



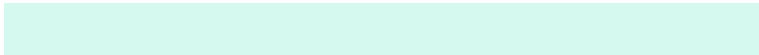
80.1381, 88.5380, 113.9418

Square

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



84.7948, 88.5380, 77.5861



77.2967, 88.5380, 94.5802



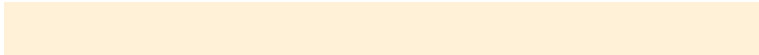
83.5139, 88.5380, 118.0396



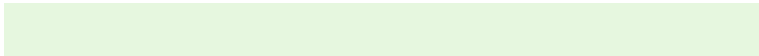
91.4026, 88.5380, 98.2487

Rectangle

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



84.7948, 88.5380, 77.5861



79.2609, 88.5380, 82.7210



83.5139, 88.5380, 118.0396



89.2418, 88.5380, 111.5158

Sweetspot

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



84.7968, 88.5417, 77.5880



91.5206, 96.1179, 97.9304



80.3052, 76.1762, 86.5181



19.4860, 20.4587, 20.6435



0.0000, 0.0000, 0.0000



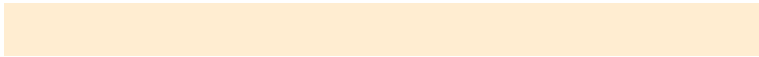
20.3446, 21.4041, 23.3091

Same Dimension

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



84.7968, 88.5417, 77.5880



83.1474, 86.6411, 72.7276



87.9747, 97.0058, 79.0542



18.9404, 19.8489, 18.9773



27.9941, 23.9995, 3.1569



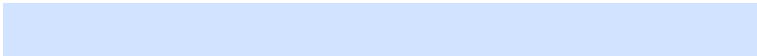
2.8315, 2.5484, 0.3427

Inverse Universe

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



74.9442, 78.9686, 105.9002



71.7729, 75.5900, 105.4152



72.0918, 71.5330, 104.6153



17.5755, 18.5227, 22.8989



11.8491, 8.6078, 50.4715



1.2556, 1.0418, 4.9482

Previews

White Background



This preview shows how the XYZ color 84.7948, 88.5380, 77.5861 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 84.7948, 88.5380, 77.5861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

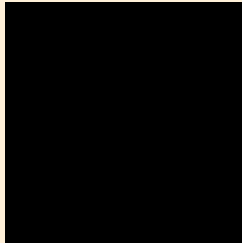
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.7948, 88.5380, 77.5861

Background



This preview shows how black text looks on a background with the XYZ color 84.7948, 88.5380, 77.5861.



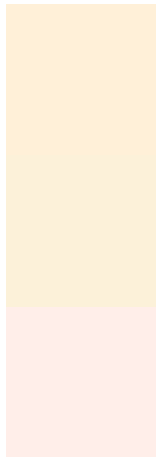
This preview shows how white text looks on a background with the XYZ color 84.7948, 88.5380,

77.5861.

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

84.7948, 88.5380, 77.5861

Protanopia

84.1246, 88.6158, 78.3164

Deuteranopia

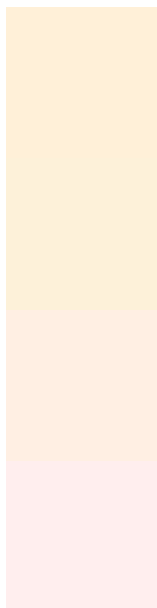
86.5225, 88.2923, 89.5727



Tritanopia

88.7795, 88.7305, 102.8900

Trichromacy



Original Color

84.7948, 88.5380, 77.5861

Protanomaly

84.4877, 88.8030, 78.3334

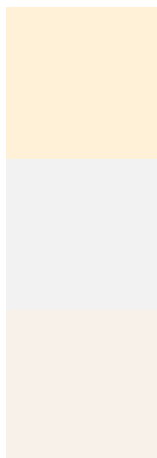
Deuteranomaly

85.9716, 88.5391, 85.2316

Tritanomaly

87.2472, 88.5821, 93.3886

Monochromacy



Original Color

84.7948, 88.5380, 77.5861

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.5210, 88.5679, 89.7314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7948, 88.5380, 77.5861 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, 240, 216) looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 216)  
}
```

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, 240, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 216) }
```

Border

The CSS property to change the border of an element to XYZ 84.7948, 88.5380, 77.5861 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, 240, 216) }
```


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

```
.border{ border-color:rgb(255, 240, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7948, 88.5380, 77.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 216) }
```

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

```
.background{ background-color: rgb(255,  
240, 216) }
```

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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