

# Converting Colors

XYZ(84.5712, 88.9764, 74.7834)

Have a look what the booklet for  
XYZ(84.5712, 88.9764, 74.7834)  
contains.

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# **Color**

**XYZ(84.5790, 88.9241,  
74.9936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1D4
RGB	255, 241, 212
RGB Percent	100%, 95%, 83%
CMY	0.0000, 0.0549, 0.1686
CMYK	0.00, 0.05, 0.17, 0.00
HSL	40°, 100%, 92%
HSV	40°, 17%, 100%
XYZ	84.5790, 88.9241, 74.9936
YIQ	241.8800, 17.6530, -6.0510

# Conversions

## Conversions Part 2

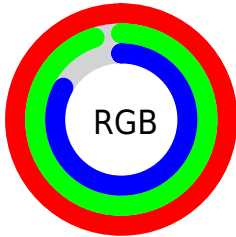
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 255, 212
Decimal	16773588
CIE <sub>Lab</sub>	95.55, 0.11, 15.70
CIE <sub>LCh</sub>	96, 15.701, 89.590
Yxy	88.9241, 0.3404, 0.3578
Android (android.graphics.Color)	4294963668 (0xFFFFF1D4)
YUV	241.8800, -14.7308, 11.5062
Hunter-Lab	94.2996, -4.9244, 18.8582

# Details

The XYZ color **84.5790, 88.9241, 74.9936** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.3970, 75.6076, 105.3857**, and the grayscale version is **84.4081, 88.8039, 96.7075**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7235, 49.1380, 38.9203** is the 20% darker color. If you saturate the color by 10%, you get **79.2125, 82.9388, 58.5684**, and if you desaturate by 10%, it is **90.5696, 95.3440, 94.1354**.

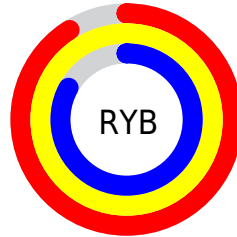
# Distribution



Red (100%)

Green (95%)

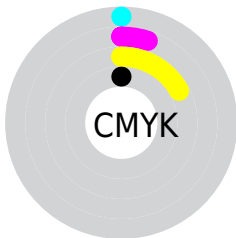
Blue (83%)



Red (91%)

Yellow (100%)

Blue (83%)

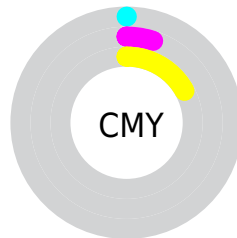


Cyan (0%)

Magenta (5%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5790, 88.9241, 74.9936 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 84.5790, 88.9241, 74.9936 by changing the saturation by 10% instead.




 84.5790, 88.9241,  
74.9936

 84.5790, 88.9241,  
74.9936


498.7386,  
524.5247, 497.1504

 63.8149, 67.0886,  
55.1059

138.7019,  
145.8430, 128.0503

 46.7619, 49.1567,  
39.0874


172.7914,  
181.6953, 162.0565

 33.0546, 34.7438,  
26.5194


212.0534,  
222.9886, 201.6059

 22.3277, 23.4656,  
16.9833

256.8533,  
270.1073, 247.1170

 14.2159, 14.9377,  
10.0608

307.5564,  
323.4359, 299.0085

 8.3537, 8.7756,  
5.3331

364.5281,

 4.3758, 4.5951,

383.3588, 357.6989

2.3819

428.1337,  
450.2602, 423.6067

■ 1.9168, 2.0117,  
0.7766

■ 0.5866, 0.6143,  
0.0000

■ 84.5790, 88.9241,  
74.9936

■ 84.5790, 88.9241,  
74.9936

■ 79.2125, 82.9388,  
58.5684

■ 90.5696, 95.3440,  
94.1354

■ 74.4387, 77.3644,  
44.7285

95.0500, 100.0000,  
108.9000

■ 70.2325, 72.1913,  
33.3400

■ 66.5643, 67.4053,  
24.2546

■ 63.4013, 62.9907,  
17.3077

■ 60.7067, 58.9302,  
12.3130

■ 58.4373, 55.2040,  
9.0514

■ 56.5389, 51.7878,  
7.2459

■ 55.9945, 50.7691,  
6.8482

# Harmonies

## Analogous

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



88.7806, 88.9241, 77.7784



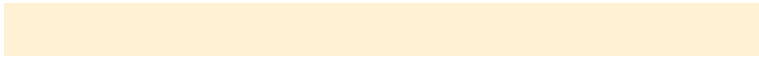
84.5790, 88.9241, 74.9936



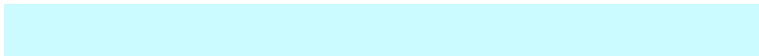
80.4967, 88.9241, 77.6317

# Triad

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



84.5790, 88.9241, 74.9936



77.5220, 88.9241, 109.0109



91.8636, 88.9241, 109.3295

# Complementary

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



84.5790, 88.9241, 74.9936



72.3970, 75.6076, 105.3857

# Split Complementary

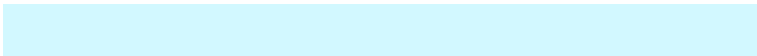
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6745, 88.9241, 118.9425



84.5790, 88.9241, 74.9936



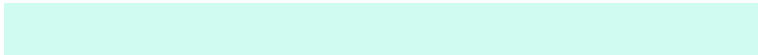
80.3973, 88.9241, 118.7478

# Square

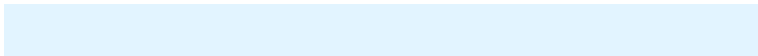
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5790, 88.9241, 74.9936



76.5073, 88.9241, 96.6535



84.4604, 88.9241, 122.5245

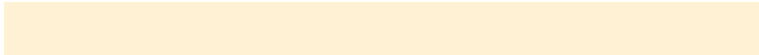


93.0728, 88.9241, 96.9931

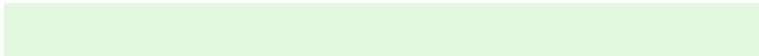


# Rectangle

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



84.5790, 88.9241, 74.9936



78.3706, 88.9241, 82.2501



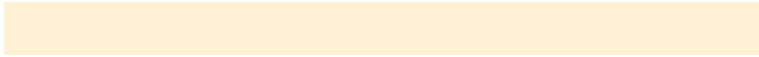
84.4604, 88.9241, 122.5245



90.9823, 88.9241, 113.0235

# Sweetspot

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



84.5811, 88.9279, 74.9955



91.7551, 96.5868, 98.0085



78.5574, 73.8573, 82.3079



19.5430, 20.5728, 20.6625



0.0000, 0.0000, 0.0000

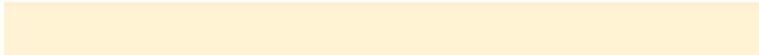


20.3446, 21.4041, 23.3091

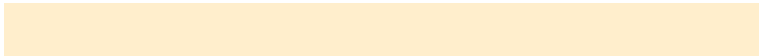


# Same Dimension

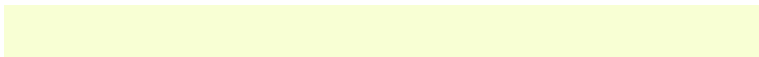
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5811, 88.9279, 74.9955



82.8308, 87.0031, 69.5544



86.2963, 96.1996, 76.3087



19.0337, 20.0356, 19.0084



29.4001, 26.8114, 3.6256



2.9621, 2.8096, 0.3862



# Inverse Universe

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



72.3970, 75.6076, 105.3857



68.7022, 71.5582, 104.7989



70.8580, 69.3941, 104.2675



17.4857, 18.3430, 22.8689



11.1673, 7.2442, 50.2443

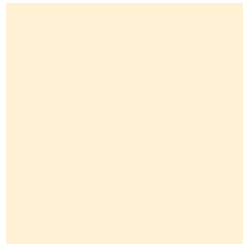


1.1819, 0.8944, 4.9236



# Previews

## White Background



This preview shows how the XYZ color 84.5790, 88.9241, 74.9936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

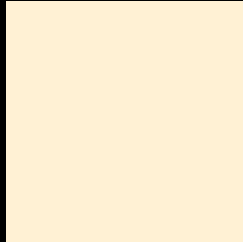
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5790, 88.9241, 74.9936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

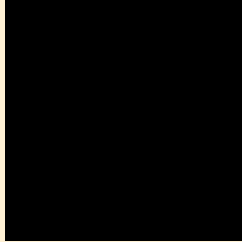
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.5790, 88.9241, 74.9936**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.5790, 88.9241, 74.9936.



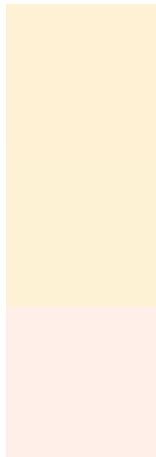
This preview shows how white text looks on a background with the XYZ color 84.5790, 88.9241,

74.9936.

# 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

84.5790, 88.9241, 74.9936

### Protanopia

84.1438, 89.1404, 75.0583

### Deuteranopia

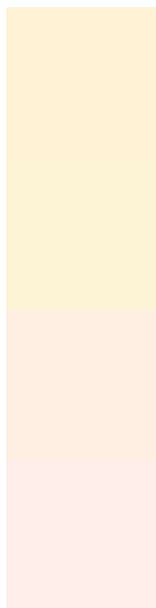
86.6720, 88.8192, 88.9196



## **Tritanopia**

88.7795, 88.7305, 102.8900

# Trichromacy



## Original Color

84.5790, 88.9241, 74.9936

## Protanomaly

84.5088, 89.3286, 75.0754

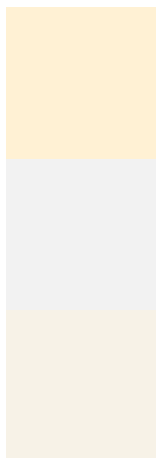
## Deuteranomaly

85.9907, 89.0164, 83.8839

## Tritanomaly

86.9549, 88.4652, 91.8494

# Monochromacy



## Original Color

84.5790, 88.9241, 74.9936

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.5337, 89.0479, 88.3339

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5790, 88.9241, 74.9936 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5790, 88.9241, 74.9936 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, 212) }
```



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

```
.border{ border-color:rgb(255, 241, 212) }
```

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, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5790, 88.9241, 74.9936 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
241, 212) }
```

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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