

# Converting Colors

XYZ(84.7749, 91.1680, 70.7505)

Have a look what the booklet for  
XYZ(84.7749, 91.1680, 70.7505)  
contains.

<b>XYZ(84.8483, 91.3901, 70.9257)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(84.8483, 91.3901,  
70.9257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF6CD
RGB	254, 246, 205
RGB Percent	100%, 96%, 80%
CMY	0.0039, 0.0353, 0.1961
CMYK	0.00, 0.03, 0.19, 0.00
HSL	50°, 96%, 90%
HSV	50°, 19%, 100%
XYZ	84.8483, 91.3901, 70.9257
YIQ	243.7180, 17.9290, -11.0550

# Conversions

## Conversions Part 2

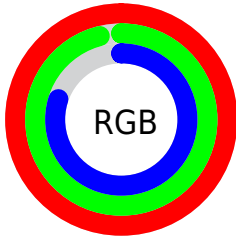
Format	Color
R <sub>Y</sub> B	215, 254, 205
Decimal	16709325
CIE Lab	96.57, -3.78, 20.72
CIE LCh	97, 21.058, 100.346
Yxy	91.3901, 0.3433, 0.3698
Android (android.graphics.Color)	4294899405 (0xFFFEF6CD)
YUV	243.7180, -19.0880, 9.0173
Hunter-Lab	95.5982, -8.8689, 22.9306

# Details

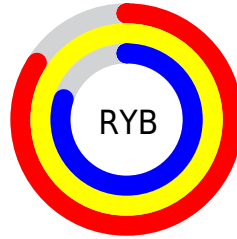
The XYZ color **84.8483, 91.3901, 70.9257** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.8604, 67.7221, 103.3144**, and the grayscale version is **85.9034, 90.3771, 98.4206**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0253, 50.9316, 36.6304** is the 20% darker color. If you saturate the color by 10%, you get **80.7821, 87.7722, 55.6518**, and if you desaturate by 10%, it is **89.4452, 95.2716, 88.8343**.

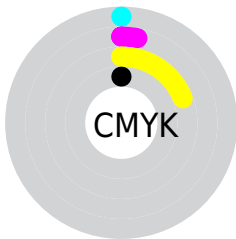
# Distribution



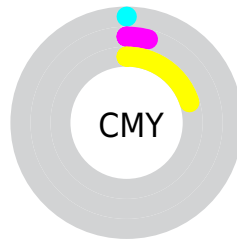
- Red (100%)
- Green (96%)
- Blue (80%)



- Red (84%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (3%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8483, 91.3901, 70.9257 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 84.8483, 91.3901, 70.9257 by changing the saturation by 10% instead.




 84.8483, 91.3901,  
70.9257

 84.8483, 91.3901,  
70.9257


499.6172,  
532.5425, 482.6703

 64.0381, 69.1342,  
51.8001


139.0763,  
149.2678, 122.2214

 46.9433, 50.8210,  
36.4646


173.2249,  
185.6584, 155.2286

 33.1986, 36.0662,  
24.5007


212.5503,  
227.5293, 193.7000

 22.4386, 24.4853,  
15.4898

257.4179,  
275.2649, 238.0543

 14.2979, 15.6940,  
9.0135

308.1930,  
329.2496, 288.7099

 8.4113, 9.3079,  
4.6530

365.2410,

 4.4132, 4.9425,

389.8679, 346.0854

1.9900

428.9273,  
457.5040, 410.5994

■ 1.9385, 2.2136,  
0.5491

■ 0.5990, 0.7274,  
0.0000

■ 84.8483, 91.3901,  
70.9257

■ 84.8483, 91.3901,  
70.9257

■ 80.7821, 87.7722,  
55.6518

■ 89.4452, 95.2716,  
88.8343

■ 77.2153, 84.3956,  
42.8804

■ 94.4588, 99.3619,  
108.8080

■ 74.1241, 81.2537,  
32.4766

■ 94.6834, 99.8110,  
108.8828

■ 71.4799, 78.3347,  
24.2906

■ 69.2508, 75.6256,  
18.1553

■ 67.4004, 73.1115,  
13.8798

■ 65.8854, 70.7748,  
11.2375

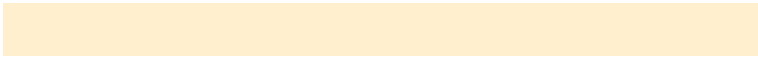
■ 64.6402, 68.5889,  
9.8838

■ 64.5566, 68.4374,  
9.8072

# Harmonies

## Analogous

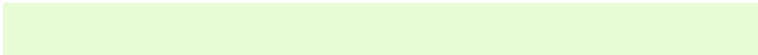
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7231, 91.3901, 72.0167



84.8483, 91.3901, 70.9257



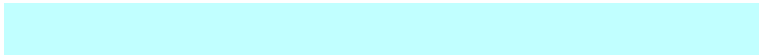
79.7457, 91.3901, 76.8080

# Triad

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



84.8483, 91.3901, 70.9257



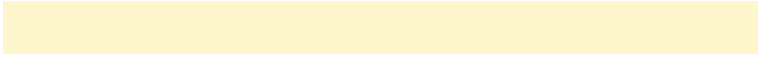
78.5261, 91.3901, 121.9842



97.9552, 91.3901, 110.8044

# Complementary

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



84.8483, 91.3901, 70.9257



66.8604, 67.7221, 103.3144

# Split Complementary

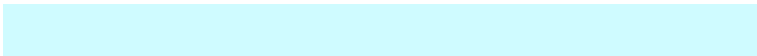
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.3928, 91.3901, 126.2910



84.8483, 91.3901, 70.9257



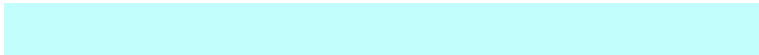
83.1150, 91.3901, 133.2330

# Square

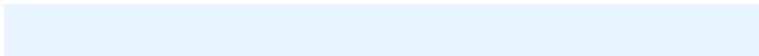
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8483, 91.3901, 70.9257



76.2064, 91.3901, 105.4391



88.9105, 91.3901, 134.8924



98.4707, 91.3901, 93.8041

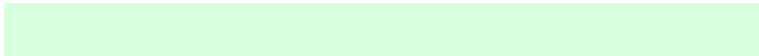


# Rectangle

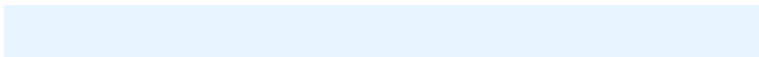
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8483, 91.3901, 70.9257



77.4015, 91.3901, 84.3283



88.9105, 91.3901, 134.8924



97.0670, 91.3901, 116.4087

# Sweetspot

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



84.8507, 91.3942, 70.9276



91.8924, 97.4710, 96.1751



74.7368, 69.5473, 72.5479



19.5978, 20.8051, 20.3021



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

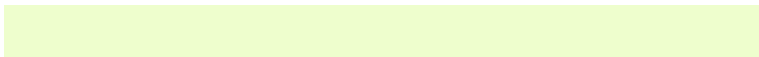
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8507, 91.3942, 70.9276



84.0265, 90.8272, 65.5364



81.6103, 93.4118, 71.4879



19.2941, 20.5563, 19.0952



34.1275, 36.2662, 5.2014



3.3872, 3.6597, 0.5279



# Inverse Universe

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



66.8604, 67.7221, 103.3144



62.9580, 63.1066, 103.4703



69.6422, 66.2442, 102.8825



17.2424, 17.8564, 22.7878



9.9269, 4.7633, 49.8308

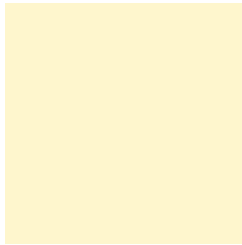


1.0312, 0.5932, 4.8734



# Previews

## White Background



This preview shows how the XYZ color 84.8483, 91.3901, 70.9257 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 84.8483, 91.3901, 70.9257 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

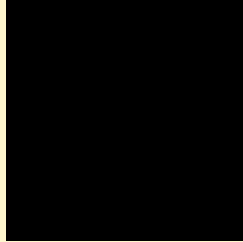
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.8483, 91.3901, 70.9257**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.8483, 91.3901, 70.9257.



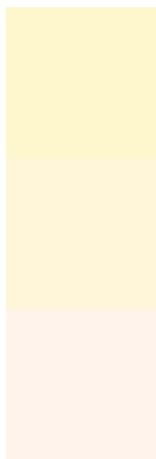
This preview shows how white text looks on a background with the XYZ color 84.8483, 91.3901,

70.9257.

# 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

84.8483, 91.3901, 70.9257

### Protanopia

86.4168, 91.5746, 78.7666

### Deuteranopia

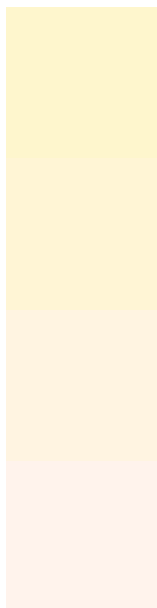
88.4309, 91.4173, 92.3414



## Tritanopia

90.4249, 91.2624, 105.7780

# Trichromacy



## Original Color

84.8483, 91.3901, 70.9257

## Protanomaly

85.9026, 91.3689, 76.0592

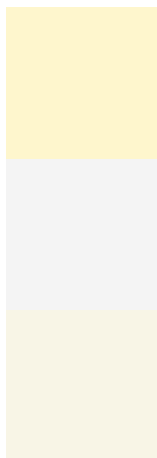
## Deuteranomaly

87.1813, 91.3976, 84.2807

## Tritanomaly

88.4309, 91.4173, 92.3414

# Monochromacy



## Original Color

84.8483, 91.3901, 70.9257

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.6467, 90.9744, 87.9087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8483, 91.3901, 70.9257 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(254, 246, 205)` looks like.

```
.text, #text, p{  
    color:rgb(254, 246, 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(254, 246, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 246, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8483, 91.3901, 70.9257 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(254, 246, 205) }
```



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

```
.border{ border-color:rgb(254, 246, 205) }
```

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

Here you see how a box with a 4 pixel rgb(254, 246, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 246, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 246, 205);  
box-shadow:4px 4px 4px 4px rgb(254, 246,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8483, 91.3901, 70.9257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 246, 205) }
```

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

```
.background{ background-color: rgb(254,  
246, 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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