

# Converting Colors

XYZ(83.2918, 90.8544, 74.4181)

Have a look what the booklet for  
XYZ(83.2918, 90.8544, 74.4181)  
contains.

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# Color

**XYZ(83.2514, 90.9488,  
74.1398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F7D2
RGB	247, 247, 210
RGB Percent	97%, 97%, 82%
CMY	0.0314, 0.0313, 0.1765
CMYK	0.00, 0.00, 0.15, 0.03
HSL	60°, 70%, 90%
HSV	60°, 15%, 97%
XYZ	83.2514, 90.9488, 74.1398
YIQ	242.7820, 11.8770, -11.5070

# Conversions

## Conversions Part 2

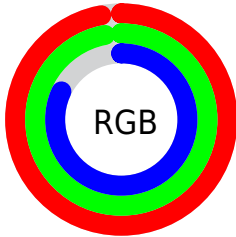
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 247, 210
Decimal	16250834
CIE Lab	96.39, -6.04, 17.82
CIE LCh	96, 18.818, 108.719
Yxy	90.9488, 0.3352, 0.3662
Android (android.graphics.Color)	4294440914 (0xFFFF7F7D2)
YUV	242.7820, -16.1615, 3.6992
Hunter-Lab	95.3671, -11.0695, 20.6640

# Details

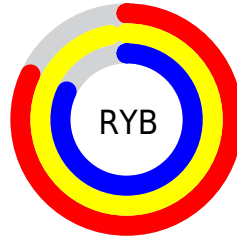
The XYZ color **83.2514, 90.9488, 74.1398** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.4169, 66.5126, 97.3383**, and the grayscale version is **85.1380, 89.5718, 97.5437**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7824, 50.5753, 38.3594** is the 20% darker color. If you saturate the color by 10%, you get **80.4083, 89.8145, 59.1639**, and if you desaturate by 10%, it is **86.5744, 92.2812, 91.6212**.

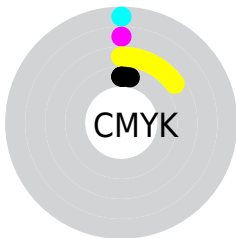
# Distribution



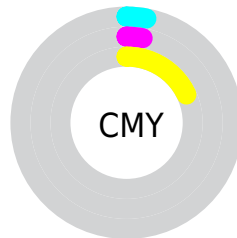
- Red (97%)
- Green (97%)
- Blue (82%)



- Red (82%)
- Yellow (97%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)




- Cyan (3%)
- Magenta (3%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2514, 90.9488, 74.1398 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 83.2514, 90.9488, 74.1398 by changing the saturation by 10% instead.




 83.2514, 90.9488,  
74.1398

 83.2514, 90.9488,  
74.1398


494.3953,  
531.1124, 494.1320

 62.7152, 68.7678,  
54.4110


136.8542,  
148.6556, 126.8298

 45.8686, 50.5227,  
38.5349


170.6515,  
184.9503, 160.6281

 32.3463, 35.8289,  
26.0931


209.5999,  
226.7183, 199.9534

 21.7830, 24.3021,  
16.6669

254.0647,  
274.3440, 245.2240

 13.8132, 15.5578,  
9.8378

304.4113,  
328.2119, 296.8587

 8.0717, 9.2118,  
5.1874

361.0050,

 4.1931, 4.8796,

388.7064, 355.2759

2.2970

424.2112,  
456.2117, 420.8941

■ 1.8119, 2.1768,  
0.7295

■ 0.5248, 0.7073,  
0.0000

■ 83.2514, 90.9488,  
74.1398

■ 83.2514, 90.9488,  
74.1398

■ 80.4083, 89.8145,  
59.1639

■ 86.5744, 92.2812,  
91.6212

■ 78.0162, 88.8575,  
46.5732


■ 89.6731, 93.5208,  
107.9328


■ 76.0539, 88.0724,  
36.2466


■ 89.6744, 93.5214,  
107.9328


■ 74.4961, 87.4492,  
28.0496

■ 89.6756, 93.5221,  
107.9329


 73.3146, 86.9764,  
21.8339


 89.6768, 93.5227,  
107.9330


 72.4774, 86.6414,  
17.4320


 89.6780, 93.5233,  
107.9330


 71.9477, 86.4294,  
14.6488

 89.6792, 93.5239,  
107.9331

 71.6799, 86.3221,  
13.2446

 89.6804, 93.5246,  
107.9331

 71.6104, 86.2943,  
12.8822

 89.6816, 93.5252,  
107.9332

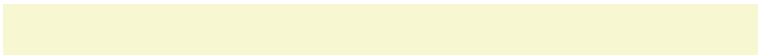
# Harmonies

## Analogous

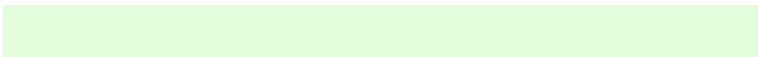
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4298, 90.9488, 73.3441



83.2514, 90.9488, 74.1398



79.0928, 90.9488, 81.1872

# Triad

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



83.2514, 90.9488, 74.1398



79.9668, 90.9488, 122.3286



96.7042, 90.9488, 104.7795

# Complementary

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



83.2514, 90.9488, 74.1398



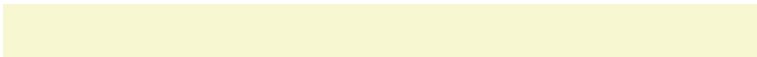
66.4169, 66.5126, 97.3383

# Split Complementary

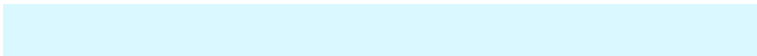
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.2373, 90.9488, 119.3073



83.2514, 90.9488, 74.1398



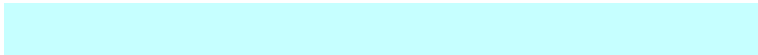
84.4884, 90.9488, 130.1004

# Square

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



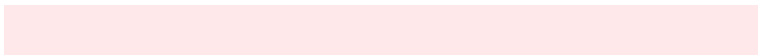
83.2514, 90.9488, 74.1398



77.2500, 90.9488, 108.5779



89.7174, 90.9488, 128.9420

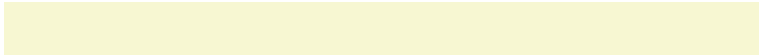


96.3402, 90.9488, 90.0547

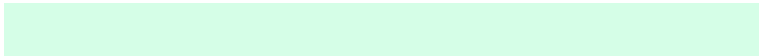


# Rectangle

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



83.2514, 90.9488, 74.1398



77.3931, 90.9488, 88.9215



89.7174, 90.9488, 128.9420



96.1746, 90.9488, 109.8722

# Sweetspot

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



83.2538, 90.9528, 74.1417



93.4504, 99.3601, 100.4793



73.0401, 70.5227, 70.7366



19.9399, 21.2422, 21.1786



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

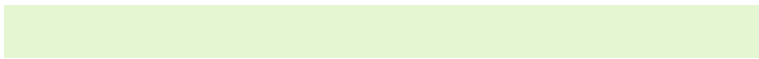
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2538, 90.9528, 74.1417



88.5187, 97.3872, 74.5187



77.0508, 87.7550, 73.8514



17.9145, 19.3135, 17.5812



37.8704, 45.6357, 6.8126



3.3285, 4.0110, 0.5988



# Inverse Universe

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



66.4169, 66.5126, 97.3383



67.1996, 66.4408, 103.8903



71.9916, 69.3865, 97.5992



15.5815, 15.9269, 20.7955



8.8792, 3.5517, 46.7556

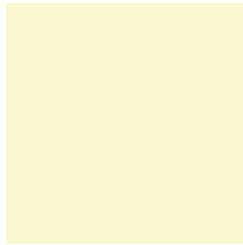


0.7805, 0.3122, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 83.2514, 90.9488, 74.1398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

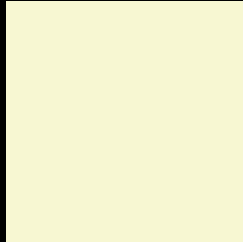
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2514, 90.9488, 74.1398 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 83.2514, 90.9488, 74.1398**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.2514, 90.9488, 74.1398.



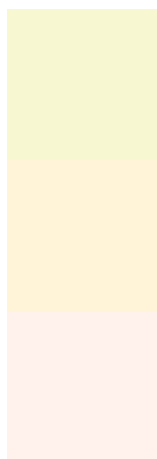
This preview shows how white text looks on a background with the XYZ color 83.2514, 90.9488,

74.1398.

# 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

83.2514, 90.9488, 74.1398

### Protanopia

85.8564, 90.8677, 77.3041

### Deuteranopia

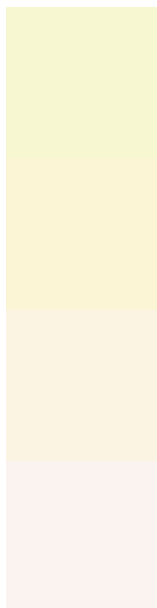
88.1325, 90.8204, 92.2419



## Tritanopia

89.2890, 90.6398, 107.3969

# Trichromacy



## Original Color

83.2514, 90.9488, 74.1398

## Protanomaly

84.8075, 90.8044, 76.0079

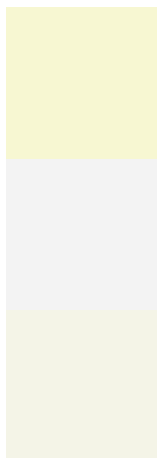
## Deuteranomaly

86.3607, 90.9429, 85.6751

## Tritanomaly

87.0549, 90.6572, 94.5717

# Monochromacy



## Original Color

83.2514, 90.9488, 74.1398

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.0827, 89.7040, 88.4843

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2514, 90.9488, 74.1398 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(247, 247, 210)` looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 210)  
}
```

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(247, 247, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2514, 90.9488, 74.1398 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(247, 247, 210) }
```



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

```
.border{ border-color:rgb(247, 247, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 247, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 247, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 247, 210);  
box-shadow:4px 4px 4px 4px rgb(247, 247,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2514, 90.9488, 74.1398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 210) }
```

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

```
.background{ background-color: rgb(247,  
247, 210) }
```

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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