

# Converting Colors

XYZ(83.7399, 91.3989, 74.2015)

Have a look what the booklet for  
XYZ(83.7399, 91.3989, 74.2015)  
contains.

<b>XYZ(83.6050, 91.1311, 74.1564)</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(83.6050, 91.1311,  
74.1564)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F7D2
RGB	248, 247, 210
RGB Percent	97%, 97%, 82%
CMY	0.0274, 0.0313, 0.1765
CMYK	0.00, 0.00, 0.15, 0.03
HSL	58°, 73%, 90%
HSV	58°, 15%, 97%
XYZ	83.6050, 91.1311, 74.1564
YIQ	243.0810, 12.4730, -11.2950

# Conversions

## Conversions Part 2

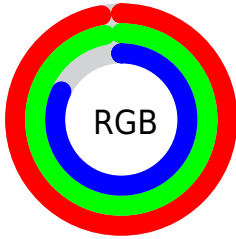
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 248, 210
Decimal	16316370
CIE <sub>Lab</sub>	96.46, -5.69, 17.94
CIE <sub>LCh</sub>	96, 18.818, 107.587
Yxy	91.1311, 0.3359, 0.3661
Android (android.graphics.Color)	4294506450 (0xFFFF8F7D2)
YUV	243.0810, -16.3089, 4.3140
Hunter-Lab	95.4626, -10.7314, 20.7667

# Details

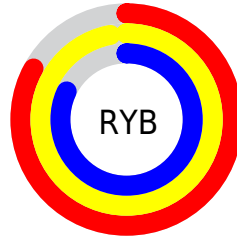
The XYZ color **83.6050, 91.1311, 74.1564** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.8158, 67.0662, 98.2311**, and the grayscale version is **85.3767, 89.8230, 97.8172**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0331, 50.7045, 38.3711** is the 20% darker color. If you saturate the color by 10%, you get **80.5544, 89.5968, 59.0590**, and if you desaturate by 10%, it is **87.1400, 92.8664, 91.7797**.

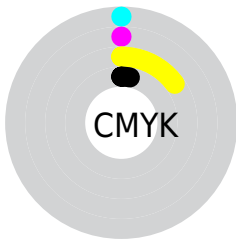
# Distribution



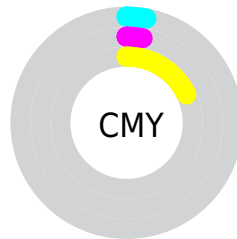
- Red (97%)
- Green (97%)
- Blue (82%)



- Red (83%)
- 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 83.6050, 91.1311, 74.1564 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 83.6050, 91.1311, 74.1564 by changing the saturation by 10% instead.




 83.6050, 91.1311,  
74.1564

 83.6050, 91.1311,  
74.1564

495.5541,  
531.7034, 494.1908

 63.0080, 68.9192,  
54.4245


137.3466,  
148.9085, 126.8536

 46.1063, 50.6459,  
38.5457


171.2219,  
185.2428, 160.6559

 32.5347, 35.9269,  
26.1014


210.2540,  
227.0534, 199.9855

 21.9278, 24.3777,  
16.6730

254.8083,  
274.7245, 245.2609

 13.9201, 15.6140,  
9.8422

305.2501,  
328.6407, 296.9005

 8.1465, 9.2515,  
5.1902

361.9447,

 4.2414, 4.9056,

389.1864, 355.3231

2.2986

425.2576,  
456.7458, 420.9470

■ 1.8396, 2.1920,  
0.7304

■ 0.5414, 0.7156,  
0.0000

■ 83.6050, 91.1311,  
74.1564

■ 83.6050, 91.1311,  
74.1564

■ 80.5544, 89.5968,  
59.0590

■ 87.1400, 92.8664,  
91.7797

■ 77.9590, 88.2427,  
46.3660


■ 90.4228, 94.4988,  
108.0820


■ 75.7975, 87.0632,  
35.9544


■ 90.6230, 94.8993,  
108.1488


■ 74.0440, 86.0480,  
27.6881


■ 90.8240, 95.3012,  
108.2158


 72.6700, 85.1857,  
21.4168


 91.0256, 95.7045,  
108.2830


 71.6433, 84.4634,  
16.9705


 91.2280, 96.1092,  
108.3504


 70.9261, 83.8660,  
14.1510

 91.4310, 96.5153,  
108.4181

 70.4720, 83.3750,  
12.7139

 91.6348, 96.9228,  
108.4860

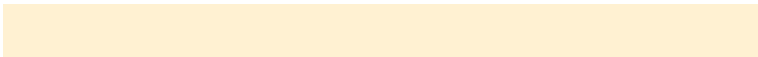
 70.3179, 83.1690,  
12.3471

 91.8392, 97.3317,  
108.5542

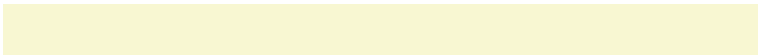
# Harmonies

## Analogous

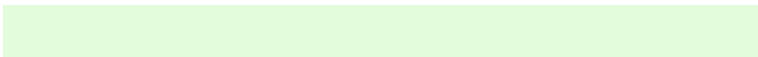
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8038, 91.1311, 73.6018



83.6050, 91.1311, 74.1564



79.3812, 91.1311, 80.9890

# Triad

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



83.6050, 91.1311, 74.1564



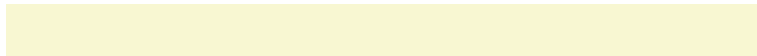
79.9904, 91.1311, 122.1203



96.8471, 91.1311, 105.5665

# Complementary

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



83.6050, 91.1311, 74.1564



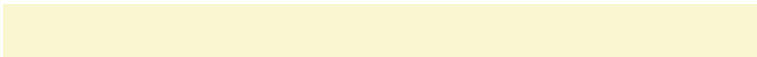
66.8158, 67.0662, 98.2311

# 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.



94.2804, 91.1311, 120.0144



83.6050, 91.1311, 74.1564



84.4671, 91.1311, 130.1990

# Square

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



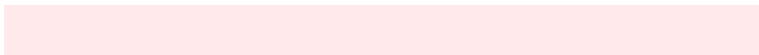
83.6050, 91.1311, 74.1564



77.3530, 91.1311, 108.2140



89.7013, 91.1311, 129.3916

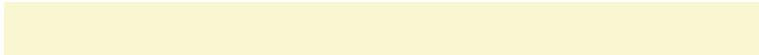


96.5934, 91.1311, 90.7505

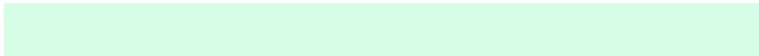


# Rectangle

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



83.6050, 91.1311, 74.1564



77.6227, 91.1311, 88.6140



89.7013, 91.1311, 129.3916



96.2814, 91.1311, 110.6536

# Sweetspot

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



83.6074, 91.1351, 74.1583



92.9582, 98.9931, 98.4096



73.5504, 70.7674, 71.5877



19.8363, 21.1592, 20.7603



0.0000, 0.0000, 0.0000

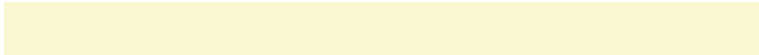


20.3446, 21.4041, 23.3091



# Same Dimension

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



83.6074, 91.1351, 74.1583



88.1389, 96.6242, 74.3915



77.9200, 88.6559, 73.9796



18.6862, 20.1082, 18.3588



38.0027, 44.9621, 6.6756



3.5317, 4.1882, 0.6223



# Inverse Universe

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



66.8158, 67.0662, 98.2311



67.4939, 67.0321, 103.9889



71.9013, 69.3222, 98.3985



16.3195, 16.7157, 21.7516



9.2064, 3.7683, 48.2157

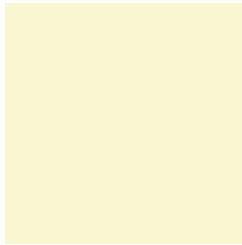


0.8651, 0.3739, 4.4697



# Previews

## White Background



This preview shows how the XYZ color 83.6050, 91.1311, 74.1564 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

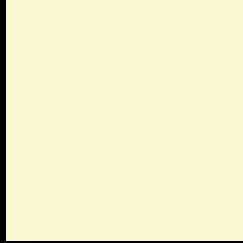
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6050, 91.1311, 74.1564 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

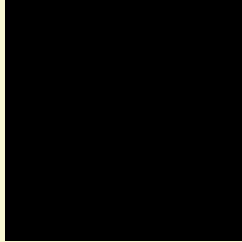
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.6050, 91.1311, 74.1564

## Background



This preview shows how black text looks on a background with the XYZ color 83.6050, 91.1311, 74.1564.



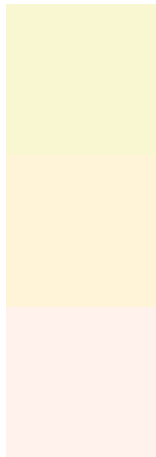
This preview shows how white text looks on a background with the XYZ color 83.6050, 91.1311,

74.1564.

# 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

83.6050, 91.1311, 74.1564

### Protanopia

85.9854, 90.9192, 77.9830

### Deuteranopia

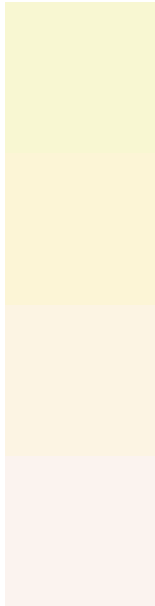
88.1325, 90.8204, 92.2419



## Tritanopia

89.6502, 90.8260, 107.4138

# Trichromacy



## Original Color

83.6050, 91.1311, 74.1564

## Protanomaly

84.9349, 90.8553, 76.6786

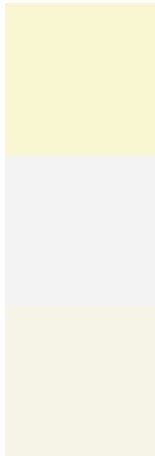
## Deuteranomaly

86.3607, 90.9429, 85.6751

## Tritanomaly

87.4142, 90.8424, 94.5885

# Monochromacy



## Original Color

83.6050, 91.1311, 74.1564

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.4307, 89.8834, 88.5006

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6050, 91.1311, 74.1564 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(248, 247, 210)` looks like.

```
.text, #text, p{  
    color:rgb(248, 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(248, 247, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 247, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6050, 91.1311, 74.1564 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(248, 247, 210) }
```



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

```
.border{ border-color:rgb(248, 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(248, 247, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 247, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 247, 210);  
box-shadow:4px 4px 4px 4px rgb(248, 247,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6050, 91.1311, 74.1564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 247, 210) }
```

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

```
.background{ background-color: rgb(248,  
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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