

# Converting Colors

XYZ(83.7374, 91.1907, 78.4192)

Have a look what the booklet for  
XYZ(83.7374, 91.1907, 78.4192)  
contains.

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# Color

**XYZ(83.6615, 91.0722,  
78.1350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F7D8
RGB	246, 247, 216
RGB Percent	96%, 97%, 85%
CMY	0.0353, 0.0313, 0.1529
CMYK	0.00, 0.00, 0.13, 0.03
HSL	62°, 66%, 91%
HSV	62°, 13%, 97%
XYZ	83.6615, 91.0722, 78.1350
YIQ	243.1670, 9.3550, -9.8530

# Conversions

## Conversions Part 2

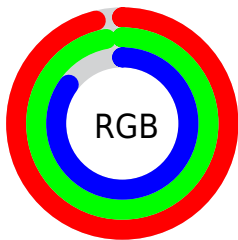
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 247, 217
Decimal	16185304
CIE Lab	96.44, -5.47, 14.80
CIE LCh	96, 15.784, 110.291
Yxy	91.0722, 0.3308, 0.3602
Android (android.graphics.Color)	4294375384 (0xFFFF6F7D8)
YUV	243.1670, -13.3933, 2.4845
Hunter-Lab	95.4318, -10.5212, 18.2584

# Details

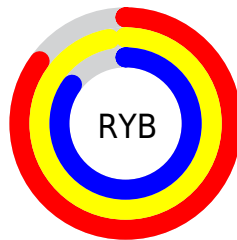
The XYZ color **83.6615, 91.0722, 78.1350** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.9631, 70.5812, 97.9366**, and the grayscale version is **85.4245, 89.8733, 97.8720**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2990, 50.7820, 41.0799** is the 20% darker color. If you saturate the color by 10%, you get **80.4260, 89.7486, 62.5486**, and if you desaturate by 10%, it is **87.3832, 92.5964, 96.2536**.

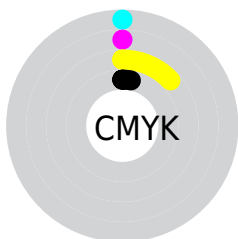
# Distribution



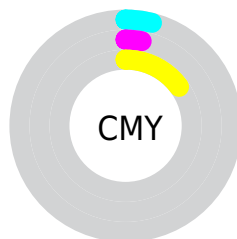
- Red (96%)
- Green (97%)
- Blue (85%)



- Red (85%)
- Yellow (97%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)



- Cyan (4%)
- Magenta (3%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6615, 91.0722, 78.1350 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 83.6615, 91.0722, 78.1350 by changing the saturation by 10% instead.



83.6615, 91.0722,  
78.1350

83.6615, 91.0722,  
78.1350

495.7391,  
531.5125, 508.1652

63.0548, 68.8703,  
57.6678

137.4253,  
148.8268, 132.5280

46.1443, 50.6061,  
41.1287

171.3130,  
185.1483, 167.2909

32.5648, 35.8952,  
28.0992

210.3585,  
226.9451, 207.6561

21.9509, 24.3533,  
18.1608

254.9271,  
274.6016, 254.0421

13.9372, 15.5959,  
10.8948

305.3840,  
328.5022, 306.8674

8.1584, 9.2386,  
5.8829

362.0948,

4.2492, 4.8972,

389.0313, 366.5507

2.7064

425.4247,  
456.5733, 433.5105

■ 1.8440, 2.1871,  
0.9466

■ 0.5440, 0.7129,  
0.0000

■ 83.6615, 91.0722,  
78.1350

■ 83.6615, 91.0722,  
78.1350

■ 80.4260, 89.7486,  
62.5486

■ 87.3832, 92.5964,  
96.2536

■ 77.6480, 88.6052,  
49.3760

■ 89.8831, 93.6290,  
107.9426


■ 75.3070, 87.6367,  
38.4984


■ 90.1670, 93.7754,  
107.9559


■ 73.3780, 86.8332,  
29.7842


■ 90.4520, 93.9223,  
107.9692


 71.8337, 86.1836,  
23.0890


 90.7383, 94.0699,  
107.9826


 70.6430, 85.6757,  
18.2504


 91.0258, 94.2181,  
107.9961


 69.7707, 85.2952,  
15.0812

 91.3146, 94.3670,  
108.0096

 69.1735, 85.0249,  
13.3551

 91.6045, 94.5164,  
108.0232

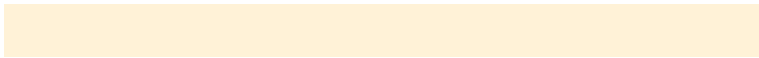
 68.8594, 84.8760,  
12.7534

 91.8957, 94.6665,  
108.0368

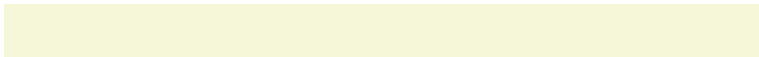
# Harmonies

## Analogous

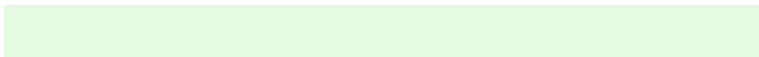
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9955, 91.0722, 77.1528



83.6615, 91.0722, 78.1350



80.2169, 91.0722, 84.4787

# Triad

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



83.6615, 91.0722, 78.1350



81.2698, 91.0722, 118.9868



95.1680, 91.0722, 103.3032

# Complementary

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



83.6615, 91.0722, 78.1350



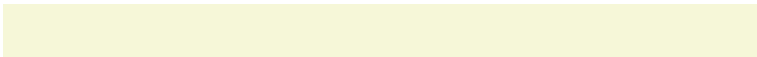
69.9631, 70.5812, 97.9366

# Split Complementary

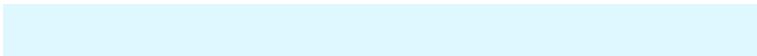
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.2319, 91.0722, 115.4555



83.6615, 91.0722, 78.1350



85.1430, 91.0722, 125.0034

# Square

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



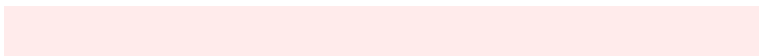
83.6615, 91.0722, 78.1350



78.8688, 91.0722, 107.8011



89.5275, 91.0722, 123.6590



94.7386, 91.0722, 90.9975

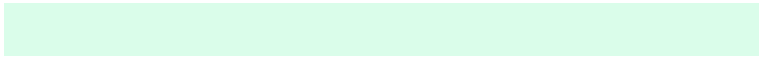


# Rectangle

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



83.6615, 91.0722, 78.1350



78.8412, 91.0722, 91.2161



89.5275, 91.0722, 123.6590



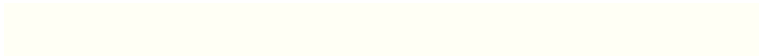
94.7698, 91.0722, 107.5568

# Sweetspot

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



83.6640, 91.0762, 78.1370



93.3294, 99.2977, 100.4736



75.4438, 74.1111, 75.2956



19.9091, 21.2264, 21.1771



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.



83.6640, 91.0762, 78.1370



89.0373, 97.5424, 79.6101



78.6084, 88.4700, 77.9004



17.8585, 19.2846, 17.5786



36.4401, 44.8984, 6.7457



3.2191, 3.9546, 0.5936



# Inverse Universe

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



69.9631, 70.5812, 97.9366



71.7088, 71.6208, 104.6525



74.6312, 72.9878, 98.1551



15.6308, 15.9523, 20.7978



8.9544, 3.5905, 46.7591

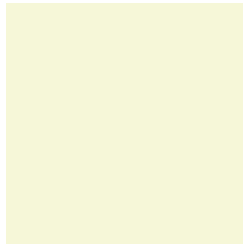


0.8042, 0.3244, 4.1105



# Previews

## White Background



This preview shows how the XYZ color 83.6615, 91.0722, 78.1350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

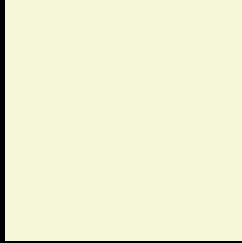
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6615, 91.0722, 78.1350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

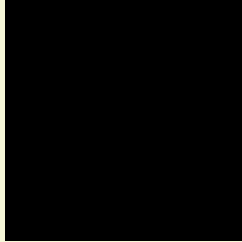
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

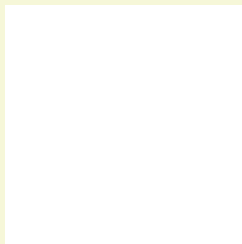
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.6615, 91.0722, 78.1350

## Background



This preview shows how black text looks on a background with the XYZ color 83.6615, 91.0722, 78.1350.



This preview shows how white text looks on a background with the XYZ color 83.6615, 91.0722,

78.1350.

# 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

83.6615, 91.0722, 78.1350

### Protanopia

86.1151, 90.9711, 78.6661

### Deuteranopia

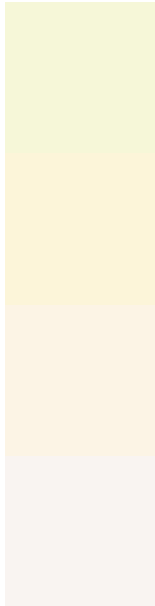
88.2782, 90.8787, 93.0093



## Tritanopia

89.2265, 91.0483, 107.4791

# Trichromacy



## Original Color

83.6615, 91.0722, 78.1350

## Protanomaly

85.3217, 91.0100, 78.7154

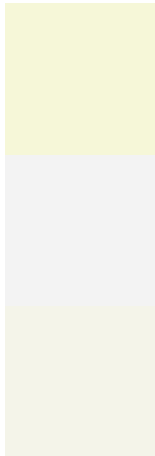
## Deuteranomaly

86.6384, 91.0540, 87.1376

## Tritanomaly

87.2948, 91.1920, 96.2200

# Monochromacy



## Original Color

83.6615, 91.0722, 78.1350

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.3669, 89.8177, 89.9807

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6615, 91.0722, 78.1350 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(246, 247, 216)` looks like.

```
.text, #text, p{  
    color:rgb(246, 247, 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(246, 247, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 247, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6615, 91.0722, 78.1350 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(246, 247, 216) }
```



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

```
.border{ border-color:rgb(246, 247, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 247, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 247, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 247, 216);  
box-shadow:4px 4px 4px 4px rgb(246, 247,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6615, 91.0722, 78.1350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 247, 216) }
```

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

```
.background{ background-color: rgb(246,  
247, 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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