

# Converting Colors

XYZ(84.3149, 91.8584, 78.2594)

Have a look what the booklet for  
XYZ(84.3149, 91.8584, 78.2594)  
contains.

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# Color

**XYZ(84.3198, 91.8668,  
78.2537)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F7F8D8
RGB	247, 248, 216
RGB Percent	97%, 97%, 85%
CMY	0.0314, 0.0274, 0.1529
CMYK	0.00, 0.00, 0.13, 0.03
HSL	62°, 70%, 91%
HSV	62°, 13%, 97%
XYZ	84.3198, 91.8668, 78.2537
YIQ	244.0530, 9.6760, -10.1640

# Conversions

## Conversions Part 2

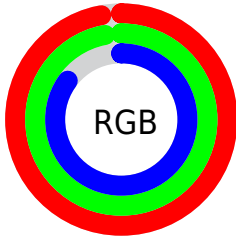
Format	Color
R <sub>Y</sub> B	216, 248, 217
Decimal	16251096
CIE Lab	96.77, -5.63, 15.28
CIE LCh	97, 16.279, 110.217
Yxy	91.8668, 0.3314, 0.3611
Android (android.graphics.Color)	4294441176 (0xFFFF7F8D8)
YUV	244.0530, -13.8301, 2.5845
Hunter-Lab	95.8472, -10.7004, 18.6861

# Details

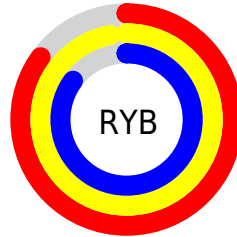
The XYZ color **84.3198, 91.8668, 78.2537** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.1180, 70.6433, 98.7518**, and the grayscale version is **86.1353, 90.6211, 98.6864**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7685, 51.3488, 41.1646** is the 20% darker color. If you saturate the color by 10%, you get **81.0793, 90.5420, 62.6095**, and if you desaturate by 10%, it is **88.0504, 93.3939, 96.4506**.

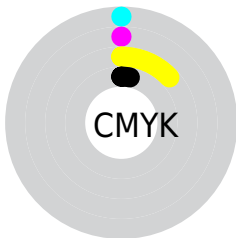
# Distribution



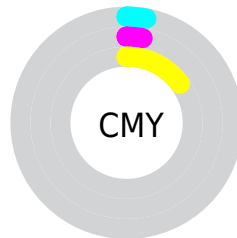
- Red (97%)
- Green (97%)
- Blue (85%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3198, 91.8668, 78.2537 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 84.3198, 91.8668, 78.2537 by changing the saturation by 10% instead.




 84.3198, 91.8668,  
78.2537

 84.3198, 91.8668,  
78.2537


497.8922,  
534.0849, 508.5787

 63.6001, 69.5300,  
57.7647


138.3414,  
149.9288, 132.6968

 46.5873, 51.1435,  
41.2061


172.3740,  
186.4227, 167.4880

 32.9161, 36.3228,  
28.1592


211.5749,  
228.4045, 207.8838

 22.2211, 24.6836,  
18.2056

256.3096,  
276.2586, 254.3025

 14.1370, 15.8415,  
10.9268

306.9433,  
330.3692, 307.1629

 8.2983, 9.4121,  
5.9041

363.8414,

 4.3398, 5.0109,

391.1209, 366.8833

2.7190

427.3692,  
458.8980, 433.8824

■ 1.8961, 2.2537,  
0.9530

■ 0.5746, 0.7490,  
0.0000

■ 84.3198, 91.8668,  
78.2537

■ 84.3198, 91.8668,  
78.2537

■ 81.0793, 90.5420,  
62.6095

■ 88.0504, 93.3939,  
96.4506

■ 78.2999, 89.3987,  
49.3983

■ 90.5291, 94.4173,  
108.0607

■ 75.9608, 88.4316,  
38.4995

■ 90.8067, 94.5604,  
108.0737

■ 74.0367, 87.6307,  
29.7802

■ 91.0855, 94.7041,  
108.0867

72.4997, 86.9848,  
23.0936

91.3654, 94.8484,  
108.0998

71.3186, 86.4813,  
18.2751

91.6465, 94.9933,  
108.1130

70.4573, 86.1059,  
15.1346

91.9287, 95.1388,  
108.1262

69.8720, 85.8410,  
13.4415

92.2121, 95.2849,  
108.1395

69.5779, 85.7017,  
12.8749

92.4966, 95.4316,  
108.1528

# Harmonies

## Analogous

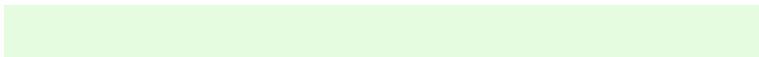
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8158, 91.8668, 77.2539



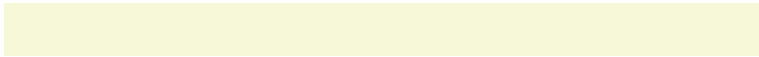
84.3198, 91.8668, 78.2537



80.7467, 91.8668, 84.7959

# Triad

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



84.3198, 91.8668, 78.2537



81.8223, 91.8668, 120.6047



96.2507, 91.8668, 104.3576

# Complementary

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



84.3198, 91.8668, 78.2537



70.1180, 70.6433, 98.7518

# Split Complementary

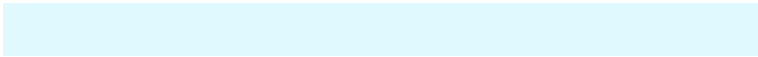
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.2336, 91.8668, 116.9815



84.3198, 91.8668, 78.2537



85.8344, 91.8668, 126.8868

# Square

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



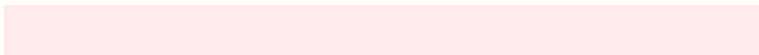
84.3198, 91.8668, 78.2537



79.3400, 91.8668, 108.9638



90.3837, 91.8668, 125.5060



95.8107, 91.8668, 91.5933

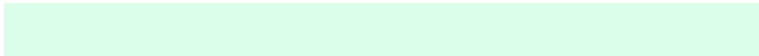


# Rectangle

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



84.3198, 91.8668, 78.2537



79.3187, 91.8668, 91.7621



90.3837, 91.8668, 125.5060



95.8349, 91.8668, 108.7746

# Sweetspot

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



84.3223, 91.8708, 78.2557



93.3331, 99.2996, 100.4738



75.8017, 74.3021, 75.3136



19.9101, 21.2268, 21.1772



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.



84.3223, 91.8708, 78.2557



89.0512, 97.5496, 79.6107



79.0713, 89.1639, 78.0099



18.6703, 20.1613, 18.3699



37.6076, 46.3057, 6.9558



3.4996, 4.2972, 0.6450



# Inverse Universe

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



70.1180, 70.6433, 98.7518



71.6974, 71.6149, 104.6519



74.9540, 73.1363, 98.9781



16.3334, 16.6690, 21.7419



9.2270, 3.6994, 48.2013

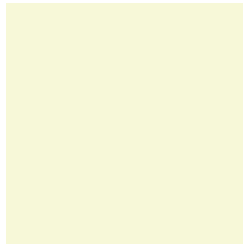


0.8718, 0.3515, 4.4651



# Previews

## White Background



This preview shows how the XYZ color 84.3198, 91.8668, 78.2537 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

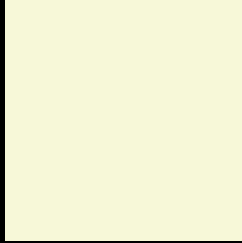
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.3198, 91.8668, 78.2537 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

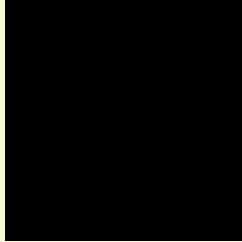
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.3198, 91.8668, 78.2537**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.3198, 91.8668, 78.2537.



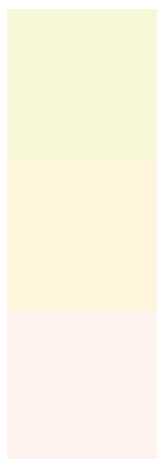
This preview shows how white text looks on a background with the XYZ color 84.3198, 91.8668,

78.2537.

# 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

84.3198, 91.8668, 78.2537

### Protanopia

86.9436, 91.7853, 81.5405

### Deuteranopia

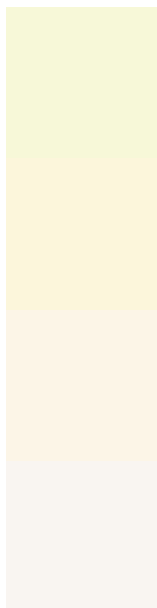
88.8706, 91.5932, 94.6566



## Tritanopia

89.5249, 91.6452, 107.5786

# Trichromacy



## Original Color

84.3198, 91.8668, 78.2537

## Protanomaly

85.8868, 91.7215, 80.1951

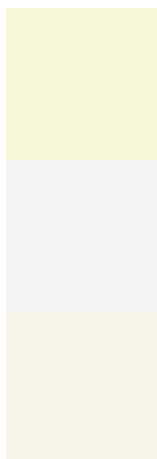
## Deuteranomaly

87.2211, 91.7698, 88.7176

## Tritanomaly

87.5965, 91.7954, 96.3205

# Monochromacy



## Original Color

84.3198, 91.8668, 78.2537

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.1599, 90.6578, 90.8522

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.3198, 91.8668, 78.2537 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, 248, 216) looks like.

```
.text, #text, p{  
    color:rgb(247, 248, 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(247, 248, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 248, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 84.3198, 91.8668, 78.2537 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, 248, 216) }
```



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

```
.border{ border-color:rgb(247, 248, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 248, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 248, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 248, 216);  
box-shadow:4px 4px 4px 4px rgb(247, 248,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.3198, 91.8668, 78.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 248, 216) }
```

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

```
.background{ background-color: rgb(247,  
248, 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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