

# Converting Colors

XYZ(211.3892, 158.2884,  
67.9301)

Have a look what the booklet for  
XYZ(211.3892, 158.2884, 67.9301)  
contains.

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# Color

**XYZ(84.4099, 92.7291,  
62.1648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9BE
RGB	255, 249, 190
RGB Percent	100%, 98%, 75%
CMY	0.0000, 0.0235, 0.2549
CMYK	0.00, 0.02, 0.25, 0.00
HSL	54°, 100%, 87%
HSV	54°, 25%, 100%
XYZ	84.4099, 92.7291, 62.1648
YIQ	244.0680, 22.5150, -17.0770

# Conversions

## Conversions Part 2

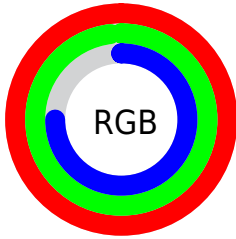
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 255, 190
Decimal	16775614
CIELab	97.12, -6.97, 29.11
CIELCh	97, 29.936, 103.465
Yxy	92.7291, 0.3527, 0.3875
Android (android.graphics.Color)	4294965694 (0xFFFFF9BE)
YUV	244.0680, -26.6555, 9.5874
Hunter-Lab	96.2960, -12.0506, 29.1319

# Details

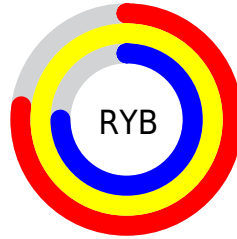
The XYZ color **84.4099, 92.7291, 62.1648** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.0247, 57.6453, 102.6235**, and the grayscale version is **86.2395, 90.7307, 98.8057**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **46.8026, 51.9233, 30.8480** is the 20% darker color. If you saturate the color by 10%, you get **81.1417, 90.2694, 48.5073**, and if you desaturate by 10%, it is **88.1795, 95.4104, 78.3973**.

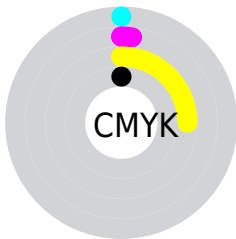
# Distribution



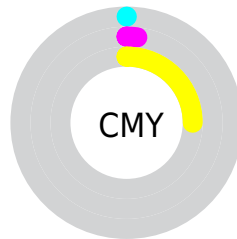
- Red (100%)
- Green (98%)
- Blue (75%)



- Red (77%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (2%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.4099, 92.7291, 62.1648 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 84.4099, 92.7291, 62.1648 by changing the saturation by 10% instead.





 84.4099, 92.7291,  
62.1648

 84.4099, 92.7291,  
62.1648


498.1865,  
536.8691, 450.5562

 63.6748, 70.2464,  
44.7292


 138.4667,  
151.1235, 109.5376

 46.6480, 51.7274,  
30.9028


172.5191,  
187.8040, 140.3119

 32.9643, 36.7878,  
20.2670


211.7413,  
229.9858, 176.3695

 22.2582, 25.0433,  
12.4033

256.4986,  
278.0533, 218.1289

 14.1644, 16.1093,  
6.8931

307.1564,  
332.3911, 266.0088

 8.3176, 9.6015,  
3.3179

364.0801,

 4.3523, 5.1356,

393.3833, 320.4276

1.2592

427.6351,  
461.4146, 381.8039

■ 1.9033, 2.3270,  
0.0280

■ 0.5788, 0.7880,  
0.0000

■ 84.4099, 92.7291,  
62.1648

■ 84.4099, 92.7291,  
62.1648

■ 81.1417, 90.2694,  
48.5073

■ 88.1795, 95.4104,  
78.3973

■ 78.3426, 88.0085,  
37.2852

■ 92.4671, 98.3102,  
97.3230

■ 75.9870, 85.9396,  
28.3545

95.0500, 100.0000,  
108.9000

■ 74.0443, 84.0502,  
21.5538

■ 72.4799, 82.3265,  
16.7005

■ 71.2532, 80.7521,  
13.5817

■ 70.3142, 79.3071,  
11.9339

■ 69.9523, 78.6846,  
11.5008

# Harmonies

## Analogous

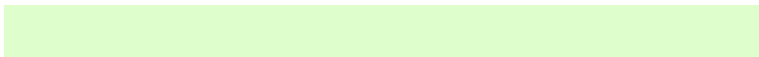
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8376, 92.7291, 62.6325



84.4099, 92.7291, 62.1648



77.4337, 92.7291, 70.8415

# Triad

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



84.4099, 92.7291, 62.1648



76.8709, 92.7291, 136.4453



104.6329, 92.7291, 114.7846

# Complementary

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



84.4099, 92.7291, 62.1648



59.0247, 57.6453, 102.6235

# Split Complementary

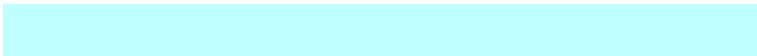
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.7821, 92.7291, 138.6095



84.4099, 92.7291, 62.1648



83.5963, 92.7291, 152.4166

# Square

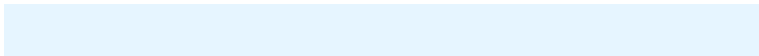
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4099, 92.7291, 62.1648



73.2724, 92.7291, 112.1837



91.9706, 92.7291, 153.2666



104.8855, 92.7291, 90.5226

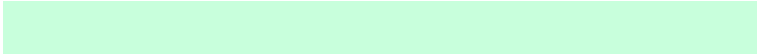


# Rectangle

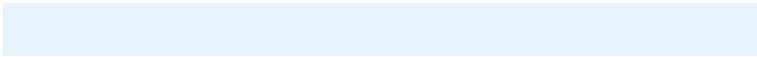
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4099, 92.7291, 62.1648



74.3955, 92.7291, 81.5875



91.9706, 92.7291, 153.2666



103.4726, 92.7291, 123.1936

# Sweetspot

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



84.4122, 92.7332, 62.1668



91.3405, 97.5607, 92.3116



69.6750, 62.0963, 60.8381



19.4096, 20.7874, 19.1337



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

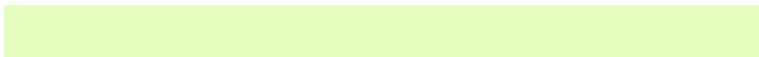
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4122, 92.7332, 62.1668



82.5501, 91.3497, 54.3298



77.3679, 91.8960, 62.3764



19.4096, 20.7874, 19.1337



36.6105, 41.2323, 6.0291



3.6047, 4.0948, 0.6004



# Inverse Universe

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



59.0247, 57.6453, 102.6235



52.9261, 50.4100, 101.5483



64.7832, 58.6470, 102.5133



17.1377, 17.6469, 22.7529



9.6420, 4.1935, 49.7358



0.9821, 0.4949, 4.8570



# Previews

## White Background



This preview shows how the XYZ color 84.4099, 92.7291, 62.1648 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

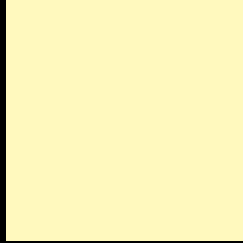
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.4099, 92.7291, 62.1648 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

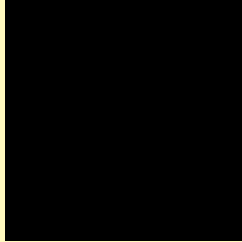
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.4099, 92.7291, 62.1648

## Background



This preview shows how black text looks on a background with the XYZ color 84.4099, 92.7291, 62.1648.



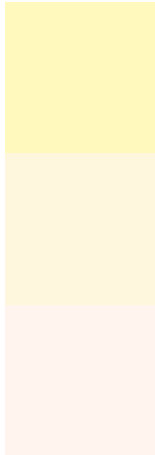
This preview shows how white text looks on a background with the XYZ color 84.4099, 92.7291,



# 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

84.4099, 92.7291, 62.1648

### Protanopia

87.5519, 93.0020, 81.7433

### Deuteranopia

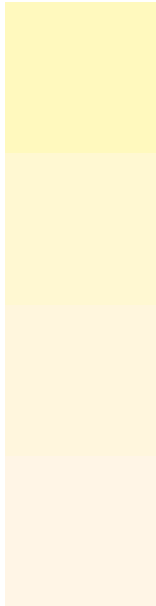
89.3250, 92.7379, 94.0812



## Tritanopia

91.0202, 92.4530, 105.9764

# Trichromacy



## Original Color

84.4099, 92.7291, 62.1648

## Protanomaly

86.4403, 93.0479, 74.3769

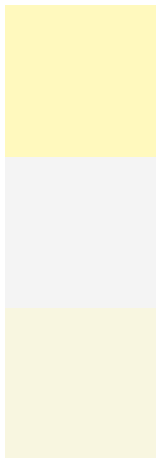
## Deuteranomaly

87.2469, 92.3920, 81.6416

## Tritanomaly

88.1753, 92.2780, 88.0270

# Monochromacy



## Original Color

84.4099, 92.7291, 62.1648

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.1217, 91.2498, 83.6476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.4099, 92.7291, 62.1648 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(255, 249, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 190)  
}
```

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(255, 249, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 84.4099, 92.7291, 62.1648 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(255, 249, 190) }
```



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

```
.border{ border-color:rgb(255, 249, 190) }
```

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

Here you see how a box with a 4 pixel rgb(255, 249, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.4099, 92.7291, 62.1648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 190) }
```

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

```
.background{ background-color: rgb(255,  
249, 190) }
```

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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