

# Converting Colors

XYZ(67.1002, 66.6429, 34.8806)

Have a look what the booklet for  
XYZ(67.1002, 66.6429, 34.8806)  
contains.

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# Color

**XYZ(67.0987, 66.7911,  
34.9467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCCE8E
RGB	252, 206, 142
RGB Percent	99%, 81%, 56%
CMY	0.0118, 0.1921, 0.4431
CMYK	0.00, 0.18, 0.44, 0.01
HSL	35°, 95%, 77%
HSV	35°, 44%, 99%
XYZ	67.0987, 66.7911, 34.9467
YIQ	212.4580, 47.9600, -10.1520

# Conversions

## Conversions Part 2

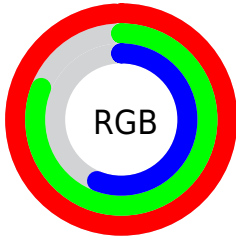
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 252, 142
Decimal	16567950
CIE Lab	85.40, 8.15, 37.89
CIE LCh	85, 38.756, 77.868
Yxy	66.7911, 0.3974, 0.3956
Android (android.graphics.Color)	4294758030 (0xFFFCCE8E)
YUV	212.4580, -34.7358, 34.6783
Hunter-Lab	81.7258, 3.5322, 31.8551

# Details

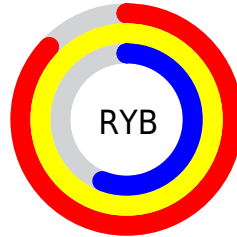
The XYZ color **67.0987, 66.7911, 34.9467** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.7086, 48.7437, 99.0420**, and the grayscale version is **63.0874, 66.3729, 72.2801**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **35.1089, 34.5493, 14.7158** is the 20% darker color. If you saturate the color by 10%, you get **62.9646, 61.2162, 25.2660**, and if you desaturate by 10%, it is **71.8339, 72.8836, 46.9391**.

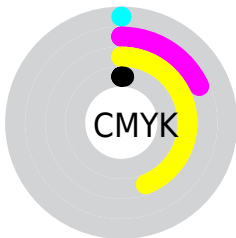
# Distribution



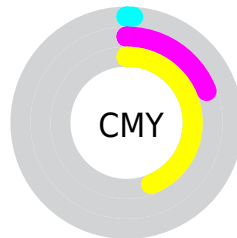
- Red (99%)
- Green (81%)
- Blue (56%)



- Red (87%)
- Yellow (99%)
- Blue (56%)



- Cyan (0%)
- Magenta (18%)
- Yellow (44%)
- Black (1%)



- Cyan (1%)
- Magenta (19%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0987, 66.7911, 34.9467 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 67.0987, 66.7911, 34.9467 by changing the saturation by 10% instead.





 67.0987, 66.7911,  
34.9467


 67.0987, 66.7911,  
34.9467


439.7230,  
449.2008, 339.2301

 49.4358, 48.9149,  
23.3386


 114.1108,  
114.6210, 68.5538

 35.1813, 34.5520,  
14.6361


 144.1908,  
145.3435, 91.3899

 23.9697, 23.3180,  
8.4206

179.1406,  
181.1169, 118.8058

 15.4358, 14.8285,  
4.2736

219.3254,  
222.3256, 151.2199

 9.2141, 8.6991,  
1.7766

265.1107,  
269.3539, 189.0509

 4.9393, 4.5454,  
0.4125

316.8618,

 2.2461, 1.9831,

322.5863, 232.7172

0.0000

374.9441,  
382.4071, 282.6374

■ 0.7669, 0.5976,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.0987, 66.7911,  
34.9467

■ 67.0987, 66.7911,  
34.9467

■ 62.9646, 61.2162,  
25.2660

■ 71.8339, 72.8836,  
46.9391

■ 59.3942, 56.1310,  
17.7382

■ 77.1949, 79.5011,  
61.3797

■ 56.3528, 51.5189,  
12.1907

■ 83.2108, 86.6629,  
78.3989

■ 53.7989, 47.3575,  
8.4218

■ 89.9073, 94.3840,  
98.1167

■ 51.6824, 43.6210,  
6.1860

93.9548, 99.4354,  
108.8487

■ 50.5213, 41.4484,  
5.3376

# Harmonies

## Analogous

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



75.4993, 66.7911, 42.4297



67.0987, 66.7911, 34.9467



58.4410, 66.7911, 35.7209

# Triad

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



67.0987, 66.7911, 34.9467



48.7280, 66.7911, 88.5963



76.8487, 66.7911, 110.2341

# Complementary

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



67.0987, 66.7911, 34.9467



46.7086, 48.7437, 99.0420

# 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.



68.8068, 66.7911, 129.1525



67.0987, 66.7911, 34.9467



52.8144, 66.7911, 114.8121

# Square

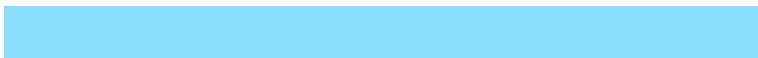
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.0987, 66.7911, 34.9467



48.3622, 66.7911, 63.0257



59.9995, 66.7911, 130.9983



81.4664, 66.7911, 83.3698



# Rectangle

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



67.0987, 66.7911, 34.9467



53.6704, 66.7911, 40.8351



59.9995, 66.7911, 130.9983



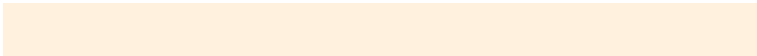
74.4240, 66.7911, 117.9769

# Sweetspot

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



67.1004, 66.7943, 34.9480



85.9012, 89.5188, 81.7533



59.0761, 43.7452, 53.8551



18.0794, 18.8007, 16.6135



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.



67.1004, 66.7943, 34.9480



65.3293, 63.7783, 27.4098



77.2330, 90.9263, 39.0720



18.0837, 18.9032, 18.1580



26.4662, 21.8890, 2.8301



2.5560, 2.2368, 0.2970

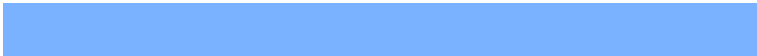


# Inverse Universe

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



46.7086, 48.7437, 99.0420



42.0221, 43.1655, 100.7247



39.6997, 32.7961, 96.3332



16.8794, 17.8356, 21.9383



11.9416, 9.2388, 49.1274



1.2081, 1.0598, 4.5841



# Previews

## White Background



This preview shows how the XYZ color 67.0987, 66.7911, 34.9467 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 67.0987, 66.7911, 34.9467 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 67.0987, 66.7911, 34.9467**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.0987, 66.7911, 34.9467.



This preview shows how white text looks on a background with the XYZ color 67.0987, 66.7911,

34.9467.

# 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

67.0987, 66.7911, 34.9467

### Protanopia

62.1124, 67.1264, 36.4711

### Deuteranopia

68.1822, 66.9670, 36.1204



## Tritanopia

73.5471, 66.8603, 71.3163

# Trichromacy



## Original Color

67.0987, 66.7911, 34.9467

## Protanomaly

63.9249, 66.9529, 35.9395

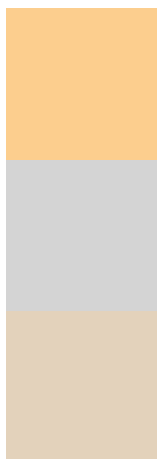
## Deuteranomaly

67.7384, 66.7471, 35.6988

## Tritanomaly

70.9632, 66.8997, 56.1865

# Monochromacy



## Original Color

67.0987, 66.7911, 34.9467

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

63.6948, 66.0119, 56.3982

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.0987, 66.7911, 34.9467 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(252, 206, 142)` looks like.

```
.text, #text, p{  
    color:rgb(252, 206, 142)  
}
```

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(252, 206, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 206, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 67.0987, 66.7911, 34.9467 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(252, 206, 142) }
```



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

```
.border{ border-color:rgb(252, 206, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 206, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 206, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 206, 142);  
box-shadow:4px 4px 4px 4px rgb(252, 206,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.0987, 66.7911, 34.9467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 206, 142) }
```

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

```
.background{ background-color: rgb(252,  
206, 142) }
```

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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