

# Converting Colors

XYZ(135.8731, 101.1290,  
36.7985)

Have a look what the booklet for  
XYZ(135.8731, 101.1290, 36.7985)  
contains.

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# Color

**XYZ(67.2561, 65.8360,  
33.5889)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCB8B
RGB	255, 203, 139
RGB Percent	100%, 80%, 55%
CMY	0.0000, 0.2039, 0.4549
CMYK	0.00, 0.20, 0.45, 0.00
HSL	33°, 100%, 77%
HSV	33°, 45%, 100%
XYZ	67.2561, 65.8360, 33.5889
YIQ	211.2520, 51.5360, -8.8800

# Conversions

## Conversions Part 2

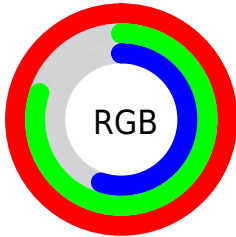
Format	Color
R <sub>Y</sub> B	233, 255, 139
Decimal	16763787
CIE Lab	84.91, 10.59, 38.85
CIE LCh	85, 40.267, 74.758
Yxy	65.8360, 0.4035, 0.3950
Android (android.graphics.Color)	4294953867 (0xFFFFCB8B)
YUV	211.2520, -35.6202, 38.3670
Hunter-Lab	81.1394, 5.9640, 32.2536

# Details

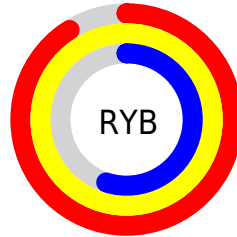
The XYZ color **67.2561, 65.8360, 33.5889** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.3274, 49.9684, 101.7578**, and the grayscale version is **62.2893, 65.5332, 71.3656**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **35.2738, 33.9352, 13.9235** is the 20% darker color. If you saturate the color by 10%, you get **63.0057, 59.9773, 24.0274**, and if you desaturate by 10%, it is **72.1433, 72.2728, 45.5078**.

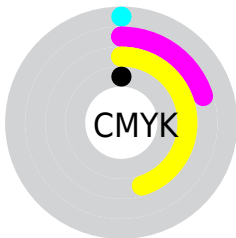
# Distribution



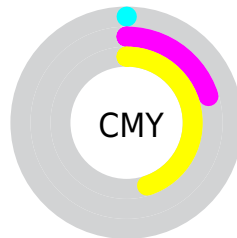
- Red (100%)
- Green (80%)
- Blue (55%)



- Red (91%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (20%)
- Yellow (45%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2561, 65.8360, 33.5889 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 67.2561, 65.8360, 33.5889 by changing the saturation by 10% instead.



67.2561, 65.8360,  
33.5889

67.2561, 65.8360,  
33.5889

440.2740,  
445.7901, 333.0081

49.5642, 48.1393,  
22.3032

114.3351,  
113.2509, 66.4204

35.2837, 33.9372,  
13.8794

144.4529,  
143.7379, 88.8033

24.0490, 22.8454,  
7.8990

179.4434,  
179.2571, 115.7223

15.4949, 14.4794,  
3.9436

219.6720,  
220.1929, 147.5960

9.2560, 8.4548,  
1.5944

265.5040,  
266.9297, 184.8428

4.9670, 4.3873,  
0.2868

317.3047,

2.2625, 1.8925,

319.8519, 227.8815

0.0000

375.4396,  
379.3439, 277.1304

■ 0.7754, 0.5439,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.2561, 65.8360,  
33.5889

■ 67.2561, 65.8360,  
33.5889

■ 63.0057, 59.9773,  
24.0274

■ 72.1433, 72.2728,  
45.5078

■ 59.3524, 54.6666,  
16.6565

■ 77.6943, 79.2976,  
59.9273

■ 56.2587, 49.8843,  
11.2935

■ 83.9401, 86.9318,  
76.9840

■ 53.6796, 45.6051,  
7.7239

■ 90.9082, 95.1926,  
96.8031

■ 51.5603, 41.7994,  
5.6826

95.0498, 99.9999,  
108.9000

■ 50.7210, 40.2222,  
5.0904

# Harmonies

## Analogous

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



75.7444, 65.8360, 42.0408



67.2561, 65.8360, 33.5889



58.2519, 65.8360, 33.5232

# Triad

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



67.2561, 65.8360, 33.5889



47.2295, 65.8360, 85.1243



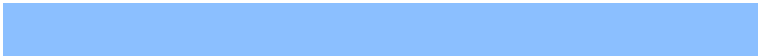
75.6263, 65.8360, 113.1521

# Complementary

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



67.2561, 65.8360, 33.5889



47.3274, 49.9684, 101.7578

# 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.



67.1071, 65.8360, 131.3876



67.2561, 65.8360, 33.5889



51.0283, 65.8360, 112.7488

# Square

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



67.2561, 65.8360, 33.5889



47.2611, 65.8360, 59.3793



58.1166, 65.8360, 131.2244



80.8844, 65.8360, 85.5814



# Rectangle

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



67.2561, 65.8360, 33.5889



53.1813, 65.8360, 38.0762



58.1166, 65.8360, 131.2244



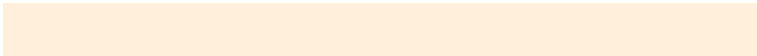
73.0148, 65.8360, 120.8418

# Sweetspot

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



67.2577, 65.8391, 33.5902



84.9318, 88.1224, 79.7580



59.8988, 43.4962, 54.6448



17.8726, 18.4937, 16.2157



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.



67.2577, 65.8391, 33.5902



63.1998, 60.2514, 24.4430



79.5583, 93.5603, 38.2926



18.8404, 19.6489, 18.9440



26.6543, 21.3197, 2.7103

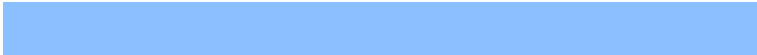


2.7043, 2.2941, 0.3003

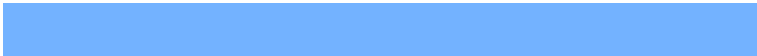


# Inverse Universe

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



47.3274, 49.9684, 101.7578



40.9309, 42.5350, 100.6605



38.9250, 31.6875, 98.6721



17.6734, 18.7183, 22.9315



12.7372, 10.3840, 50.7676



1.3473, 1.2253, 4.9788



# Previews

## White Background



This preview shows how the XYZ color 67.2561, 65.8360, 33.5889 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 67.2561, 65.8360, 33.5889 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 67.2561, 65.8360, 33.5889**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.2561, 65.8360, 33.5889.



This preview shows how white text looks on a background with the XYZ color 67.2561, 65.8360,



# 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

67.2561, 65.8360, 33.5889

### Protanopia

61.1345, 65.8931, 35.4831

### Deuteranopia

67.2561, 65.8360, 33.5889



## Tritanopia

72.8391, 65.8456, 69.8432

# Trichromacy



**Original Color**

67.2561, 65.8360, 33.5889

**Protanomaly**

63.2796, 65.9046, 34.9769

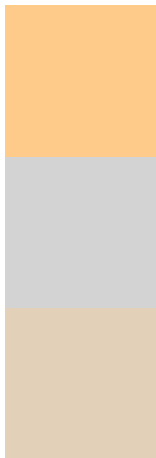
**Deuteranomaly**

67.2561, 65.8360, 33.5889

**Tritanomaly**

70.3152, 65.5675, 54.2972

# Monochromacy



**Original Color**

67.2561, 65.8360, 33.5889

**Achromatopsia**

61.9161, 65.1406, 70.9381

**Achromatomaly**

62.9914, 64.9454, 55.1147

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.2561, 65.8360, 33.5889 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, 203, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 139)  
}
```

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, 203, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 67.2561, 65.8360, 33.5889 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, 203, 139) }
```



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

```
.border{ border-color:rgb(255, 203, 139) }
```

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

Here you see how a box with a 4 pixel rgb(255, 203, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.2561, 65.8360, 33.5889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 139) }
```

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

```
.background{ background-color: rgb(255,  
203, 139) }
```

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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