

# Converting Colors

XYZ(72.0649, 69.1186, 32.1593)

Have a look what the booklet for  
XYZ(72.0649, 69.1186, 32.1593)  
contains.

<b>XYZ(67.3744, 66.6439, 31.8668)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(67.3744, 66.6439,  
31.8668)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCD86
RGB	255, 205, 134
RGB Percent	100%, 80%, 53%
CMY	0.0000, 0.1961, 0.4745
CMYK	0.00, 0.20, 0.47, 0.00
HSL	35°, 100%, 76%
HSV	35°, 47%, 100%
XYZ	67.3744, 66.6439, 31.8668
YIQ	211.8560, 52.5910, -11.4810

# Conversions

## Conversions Part 2

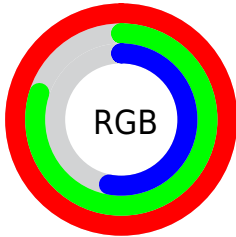
Format	Color
R <sub>Y</sub> B	219, 255, 134
Decimal	16764294
CIE Lab	85.32, 9.08, 41.91
CIE LCh	85, 42.880, 77.781
Yxy	66.6439, 0.4062, 0.4017
Android (android.graphics.Color)	4294954374 (0xFFFFCD86)
YUV	211.8560, -38.3830, 37.8373
Hunter-Lab	81.6357, 4.4545, 34.0009

# Details

The XYZ color **67.3744, 66.6439, 31.8668** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.0213, 46.5675, 101.2230**, and the grayscale version is **62.7076, 65.9733, 71.8449**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **35.3929, 34.4935, 12.9761** is the 20% darker color. If you saturate the color by 10%, you get **63.3702, 61.1468, 22.7905**, and if you desaturate by 10%, it is **71.9804, 72.6583, 43.2605**.

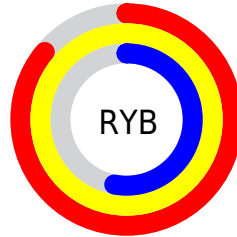
# Distribution



Red (100%)

Green (80%)

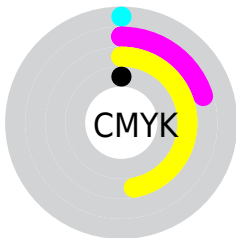
Blue (53%)



Red (86%)

Yellow (100%)

Blue (53%)

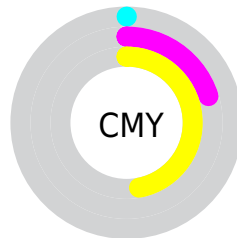


Cyan (0%)

Magenta (20%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3744, 66.6439, 31.8668 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 67.3744, 66.6439, 31.8668 by changing the saturation by 10% instead.





 67.3744, 66.6439,  
31.8668

 67.3744, 66.6439,  
31.8668


440.6878,  
448.6762, 324.9860


 49.6608, 48.7953,  
20.9958


 114.5036,  
114.4100, 63.6977

 35.3606, 34.4571,  
12.9297


 144.6498,  
145.0963, 85.4947

 24.1086, 23.2450,  
7.2500

 179.6710,  
180.8306, 111.7707

 15.5394, 14.7745,  
3.5381

219.9324,  
221.9973, 142.9444

 9.2876, 8.6613,  
1.3755

265.7994,  
268.9808, 179.4342

 4.9878, 4.5209,  
0.1225

317.6374,

 2.2748, 1.9690,

322.1656, 221.6587

0.0000

375.8118,  
381.9359, 270.0365

■ 0.7817, 0.5894,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.3744, 66.6439,  
31.8668

■ 67.3744, 66.6439,  
31.8668

■ 63.3702, 61.1468,  
22.7905

■ 71.9804, 72.6583,  
43.2605

■ 59.9283, 56.1384,  
15.8613

■ 77.2148, 79.1982,  
57.1173

■ 57.0112, 51.6008,  
10.8921

■ 83.1081, 86.2835,  
73.5754

■ 54.5735, 47.5100,  
7.6607

■ 89.6873, 93.9297,  
92.7617

■ 52.5569, 43.8370, 95.0499, 99.9999,  
5.8781 108.9000

■ 52.0889, 42.9581,  
5.5464

# Harmonies

## Analogous

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



76.7255, 66.6439, 39.7491



67.3744, 66.6439, 31.8668



57.8144, 66.6439, 32.6485

# Triad

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



67.3744, 66.6439, 31.8668



47.1860, 66.6439, 90.1355



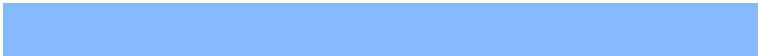
78.1896, 66.6439, 114.7172

# Complementary

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



67.3744, 66.6439, 31.8668



45.0213, 46.5675, 101.2230

# 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.



69.2133, 66.6439, 136.2643



67.3744, 66.6439, 31.8668



51.6148, 66.6439, 119.7657

# Square

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



67.3744, 66.6439, 31.8668



46.8019, 66.6439, 61.8323



59.4758, 66.6439, 138.3174



83.3837, 66.6439, 84.4705



# Rectangle

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



67.3744, 66.6439, 31.8668



52.5862, 66.6439, 37.9952



59.4758, 66.6439, 138.3174



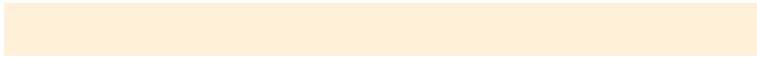
75.4749, 66.6439, 123.5183

# Sweetspot

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



67.3760, 66.6471, 31.8681



85.2994, 88.8576, 79.8806



58.4609, 41.7890, 50.5622



17.9622, 18.6730, 16.2455



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.



67.3760, 66.6471, 31.8681



63.5383, 61.3839, 23.1516



77.6902, 92.6385, 36.3414



18.8953, 19.7587, 18.9623



27.3684, 22.7481, 2.9483



2.7725, 2.4304, 0.3230



# Inverse Universe

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



45.0213, 46.5675, 101.2230



38.7564, 39.1515, 100.1221



38.0919, 30.2078, 98.4305



17.6195, 18.6106, 22.9135



12.2289, 9.3674, 50.5981



1.2953, 1.1213, 4.9614



# Previews

## White Background



This preview shows how the XYZ color 67.3744, 66.6439, 31.8668 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

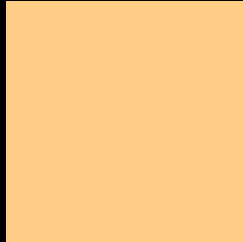
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3744, 66.6439, 31.8668 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 67.3744, 66.6439, 31.8668**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.3744, 66.6439, 31.8668.



This preview shows how white text looks on a background with the XYZ color 67.3744, 66.6439,

31.8668.

# 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

67.3744, 66.6439, 31.8668

### Protanopia

61.5883, 66.5504, 33.2664

### Deuteranopia

67.8790, 66.8457, 34.5242



## Tritanopia

73.4213, 66.8100, 70.6539

# Trichromacy



## Original Color

67.3744, 66.6439, 31.8668

## Protanomaly

63.4257, 66.3960, 32.7654

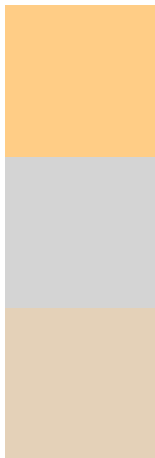
## Deuteranomaly

67.6588, 66.7576, 33.3643

## Tritanomaly

70.6739, 66.4522, 53.9014

# Monochromacy



## Original Color

67.3744, 66.6439, 31.8668

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

63.4471, 65.5556, 54.6569

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3744, 66.6439, 31.8668 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, 205, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 134)  
}
```

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, 205, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3744, 66.6439, 31.8668 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, 205, 134) }
```



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

```
.border{ border-color:rgb(255, 205, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3744, 66.6439, 31.8668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 134) }
```

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

```
.background{ background-color: rgb(255,  
205, 134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor