

# Converting Colors

XYZ(86.0127, 74.6890, 37.7811)

Have a look what the booklet for XYZ(86.0127, 74.6890, 37.7811) contains.

- XYZ(67.4719, 65.1714, 37.0402) ..... 3**
- Conversions* ..... 4**
- Details* ..... 6**
- Harmonies* ..... 12**
- Previews* ..... 24**
- Color Blindness Simulation* ..... 28**
- CSS Examples* ..... 31**

# Color

**XYZ(67.4719, 65.1714,  
37.0402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC994
RGB	255, 201, 148
RGB Percent	100%, 79%, 58%
CMY	0.0000, 0.2117, 0.4196
CMYK	0.00, 0.21, 0.42, 0.00
HSL	30°, 100%, 79%
HSV	30°, 42%, 100%
XYZ	67.4719, 65.1714, 37.0402
YIQ	211.1040, 49.1970, -5.0350

# Conversions

## Conversions Part 2

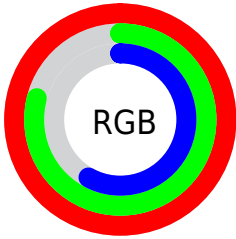
Format	Color
R <sub>Y</sub> B	255, 253, 148
Decimal	16763284
CIE Lab	84.57, 12.53, 33.78
CIE LCh	85, 36.033, 69.650
Yxy	65.1714, 0.3976, 0.3841
Android (android.graphics.Color)	4294953364 (0xFFFFC994)
YUV	211.1040, -31.1103, 38.4968
Hunter-Lab	80.7288, 7.9122, 29.3066

# Details

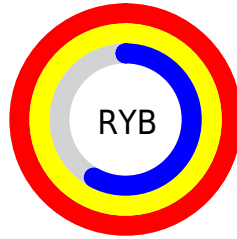
The XYZ color **67.4719, 65.1714, 37.0402** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.3824, 55.7548, 102.6611**, and the grayscale version is **62.1634, 65.4007, 71.2214**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **35.3563, 33.4663, 15.9054** is the 20% darker color. If you saturate the color by 10%, you get **62.7968, 58.7034, 26.5970**, and if you desaturate by 10%, it is **72.8462, 72.3261, 49.9112**.

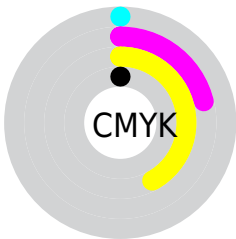
# Distribution



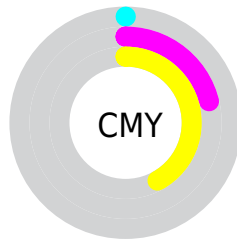
- Red (100%)
- Green (79%)
- Blue (58%)



- Red (100%)
- Yellow (99%)
- Blue (58%)



- Cyan (0%)
- Magenta (21%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4719, 65.1714, 37.0402 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 67.4719, 65.1714, 37.0402 by changing the saturation by 10% instead.





 67.4719, 65.1714,  
37.0402


 67.4719, 65.1714,  
37.0402


441.0288,  
443.4076, 348.6585

 49.7403, 47.6001,  
24.9426


 114.6424,  
112.2962, 71.8216

 35.4241, 33.5103,  
15.8157


 144.8120,  
142.6185, 95.3425

 24.1578, 22.5176,  
9.2409

179.8584,  
177.9600, 123.5083

 15.5761, 14.2378,  
4.7997

220.1469,  
218.7049, 156.7374

 9.3136, 8.2862,  
2.0735

266.0428,  
265.2377, 195.4484

 5.0050, 4.2786,  
0.5999

317.9115,

 2.2850, 1.8306,

317.9429, 240.0599

0.0000

376.1184,  
377.2047, 290.9904

■ 0.7870, 0.5061,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.4719, 65.1714,  
37.0402

■ 67.4719, 65.1714,  
37.0402

■ 62.7968, 58.7034,  
26.5970

■ 72.8462, 72.3261,  
49.9112

■ 58.7804, 52.8886,  
18.4202

■ 78.9475, 80.1808,  
65.3495

■ 55.3849, 47.7043,  
12.3348

■ 85.8080, 88.7598,  
83.4882

■ 52.5654, 43.1220,  
8.1379

■ 93.4561, 98.0834,  
104.4504

■ 50.2692, 39.1093, 95.0499, 99.9999,  
5.5849 108.9000

■ 48.7420, 36.2641,  
4.4307

# Harmonies

## Analogous

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



74.6141, 65.1714, 46.3103



67.4719, 65.1714, 37.0402



59.3902, 65.1714, 35.6731

# Triad

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



67.4719, 65.1714, 37.0402



47.9293, 65.1714, 78.6372



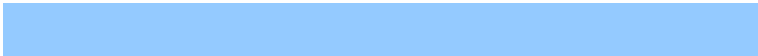
72.3318, 65.1714, 110.7624

# Complementary

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



67.4719, 65.1714, 37.0402



51.3824, 55.7548, 102.6611

# 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.



64.5689, 65.1714, 124.1170



67.4719, 65.1714, 37.0402



50.7952, 65.1714, 103.0967

# Square

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



67.4719, 65.1714, 37.0402



48.5604, 65.1714, 56.6615



56.7256, 65.1714, 121.0431



77.5839, 65.1714, 87.4832



# Rectangle

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



67.4719, 65.1714, 37.0402



54.6120, 65.1714, 39.0402



56.7256, 65.1714, 121.0431



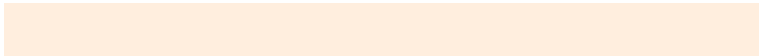
69.9033, 65.1714, 116.7672

# Sweetspot

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



67.4735, 65.1745, 37.0415



85.0585, 87.8334, 81.4724



62.6435, 46.7657, 62.4026



17.8715, 18.3847, 16.5442



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.



67.4735, 65.1745, 37.0415



63.6604, 59.9193, 28.4603



81.7790, 93.7854, 41.8100



18.7526, 19.4734, 18.9147



25.6178, 19.2467, 2.3648

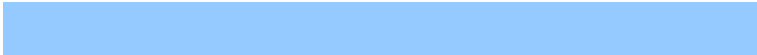


2.6034, 2.0922, 0.2666

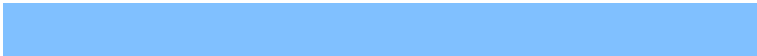


# Inverse Universe

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



51.3824, 55.7548, 102.6611



45.6913, 49.3991, 101.7345



41.1352, 35.2603, 99.2453



17.7606, 18.8928, 22.9605



13.6609, 12.2314, 51.0755



1.4394, 1.4095, 5.0095



# Previews

## White Background



This preview shows how the XYZ color 67.4719, 65.1714, 37.0402 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 67.4719, 65.1714, 37.0402 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

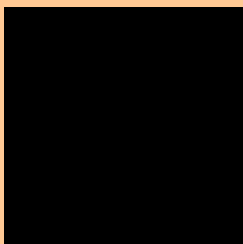
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.4719, 65.1714, 37.0402**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.4719, 65.1714, 37.0402.



This preview shows how white text looks on a background with the XYZ color 67.4719, 65.1714,



# 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

67.4719, 65.1714, 37.0402

### Protanopia

60.6403, 65.1864, 39.0919

### Deuteranopia

66.6107, 65.0746, 37.0669



## Tritanopia

72.3651, 65.2939, 68.4634

# Trichromacy



## Original Color

67.4719, 65.1714, 37.0402

## Protanomaly

62.8238, 64.8645, 38.4871

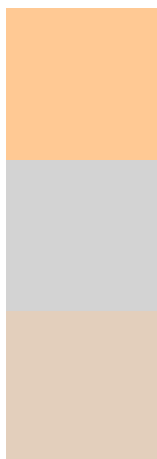
## Deuteranomaly

66.9738, 65.2618, 37.0839

## Tritanomaly

70.2970, 65.1933, 55.3329

# Monochromacy



## Original Color

67.4719, 65.1714, 37.0402

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

63.0685, 64.5874, 56.7195

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.4719, 65.1714, 37.0402 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, 201, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 148)  
}
```

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, 201, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 67.4719, 65.1714, 37.0402 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, 201, 148) }
```



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

```
.border{ border-color:rgb(255, 201, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.4719, 65.1714, 37.0402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 148) }
```

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

```
.background{ background-color: rgb(255,  
201, 148) }
```

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