

Converting Colors

XYZ(72.4026, 69.3324, 37.8977)

Have a look what the booklet for
XYZ(72.4026, 69.3324, 37.8977)
contains.

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Color

**XYZ(68.7361, 67.5725,
37.8538)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE95
RGB	255, 206, 149
RGB Percent	100%, 81%, 58%
CMY	0.0000, 0.1921, 0.4157
CMYK	0.00, 0.19, 0.42, 0.00
HSL	32°, 100%, 79%
HSV	32°, 42%, 100%
XYZ	68.7361, 67.5725, 37.8538
YIQ	214.1530, 47.5010, -7.3390

Conversions

Conversions Part 2

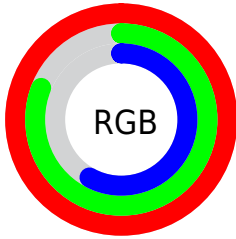
Format	Color
R _Y B	240, 255, 149
Decimal	16764565
CIE Lab	85.79, 10.04, 34.87
CIE LCh	86, 36.290, 73.939
Yxy	67.5725, 0.3947, 0.3880
Android (android.graphics.Color)	4294954645 (0xFFFFCE95)
YUV	214.1530, -32.1204, 35.8228
Hunter-Lab	82.2025, 5.4038, 30.2390

Details

The XYZ color **68.7361, 67.5725, 37.8538** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **50.6378, 53.9958, 102.3609**, and the grayscale version is **64.2081, 67.5519, 73.5640**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **36.1509, 35.0553, 16.1703** is the 20% darker color. If you saturate the color by 10%, you get **64.1874, 61.3843, 27.3694**, and if you desaturate by 10%, it is **73.9467, 74.3710, 50.7591**.

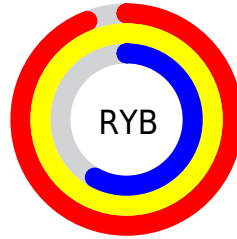
Distribution



Red (100%)

Green (81%)

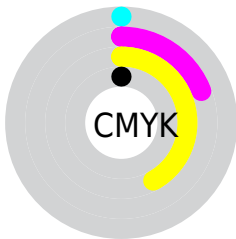
Blue (58%)



Red (94%)

Yellow (100%)

Blue (58%)

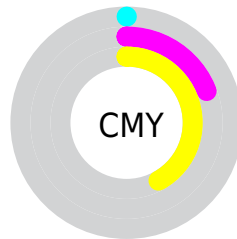


Cyan (0%)

Magenta (19%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7361, 67.5725, 37.8538 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 68.7361, 67.5725, 37.8538 by changing the saturation by 10% instead.


 68.7361, 67.5725,
37.8538

 68.7361, 67.5725,
37.8538


445.4356,
451.9799, 352.2718

 50.7727, 49.5500,
25.5683


 116.4407,
115.7404, 73.0849

 36.2480, 35.0560,
16.2781

 146.9126,
146.6545, 96.8676

 24.7968, 23.7060,
9.5647


182.2847,
182.6347, 125.3198

 16.0537, 15.1157,
5.0095

222.9223,
224.0654, 158.8600

 9.6532, 8.9006,
2.1940

269.1909,
271.3308, 197.9068

 5.2301, 4.6764,
0.6709

321.4557,

 2.4191, 2.0587,

324.8154, 242.8786

0.0000

380.0822,
384.9036, 294.1941

■ 0.8546, 0.6412,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.7361, 67.5725,
37.8538

■ 68.7361, 67.5725,
37.8538

■ 64.1874, 61.3843,
27.3694

■ 73.9467, 74.3710,
50.7591

■ 60.2616, 55.7757,
19.1454

■ 79.8454, 81.7899,
66.2235

■ 56.9225, 50.7272,
13.0083

■ 86.4628, 89.8509,
84.3796

■ 54.1273, 46.2137,
8.7569

■ 93.8261, 98.5717,
105.3495

■ 51.8253, 42.2066, 95.0499, 100.0000,
6.1493 108.9000

■ 50.2050, 39.1900,
4.9183

Harmonies

Analogous

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



76.3979, 67.5725, 46.2320



68.7361, 67.5725, 37.8538



60.4626, 67.5725, 37.5737

Triad

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



68.7361, 67.5725, 37.8538



49.9671, 67.5725, 85.1263



75.9305, 67.5725, 111.5754

Complementary

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



68.7361, 67.5725, 37.8538



50.6378, 53.9958, 102.3609

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.



68.1416, 67.5725, 127.3553



68.7361, 67.5725, 37.8538



53.4202, 67.5725, 110.0059

Square

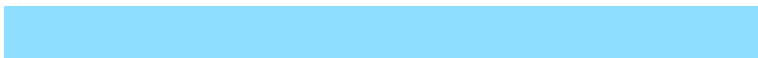
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7361, 67.5725, 37.8538



50.0963, 67.5725, 61.6570



59.9169, 67.5725, 126.7260



80.7893, 67.5725, 86.9375

Rectangle

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



68.7361, 67.5725, 37.8538



55.7327, 67.5725, 41.8346



59.9169, 67.5725, 126.7260



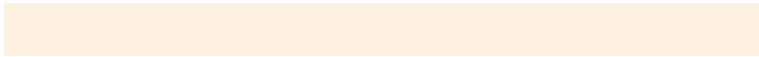
73.5403, 67.5725, 118.3063

Sweetspot

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



68.7378, 67.5757, 37.8552



86.1617, 89.4891, 83.5377



62.2348, 46.8543, 59.4730



18.2491, 18.9218, 17.3426



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.



68.7378, 67.5757, 37.8552



64.8587, 62.3160, 28.8597



81.1369, 94.2859, 42.3572



18.8185, 19.6053, 18.9367



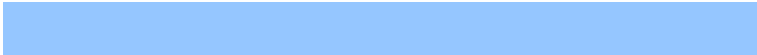
26.3843, 20.7799, 2.6203



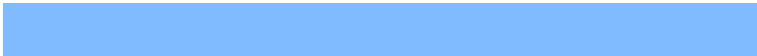
2.6783, 2.2420, 0.2916

Inverse Universe

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



50.6378, 53.9958, 102.3609



44.5271, 47.0706, 101.3464



41.8471, 35.4427, 99.2431



17.6949, 18.7615, 22.9387



12.9540, 10.8176, 50.8398



1.3692, 1.2691, 4.9861

Previews

White Background



This preview shows how the XYZ color 68.7361, 67.5725, 37.8538 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 68.7361, 67.5725, 37.8538 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 68.7361, 67.5725, 37.8538

Background



This preview shows how black text looks on a background with the XYZ color 68.7361, 67.5725, 37.8538.



This preview shows how white text looks on a background with the XYZ color 68.7361, 67.5725,

37.8538.

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

68.7361, 67.5725, 37.8538

Protanopia

63.0052, 67.8897, 39.9203

Deuteranopia

68.9788, 67.6696, 39.1317



Tritanopia

73.9045, 67.3726, 72.0598

Trichromacy



Original Color

68.7361, 67.5725, 37.8538

Protanomaly

65.1462, 67.8792, 39.3742

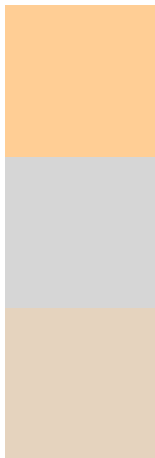
Deuteranomaly

68.8972, 67.6370, 38.7021

Tritanomaly

71.6548, 67.2188, 57.9131

Monochromacy



Original Color

68.7361, 67.5725, 37.8538

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.9016, 66.9643, 58.2199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7361, 67.5725, 37.8538 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, 206, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 149)  
}
```

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, 206, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 149) }
```

Border

The CSS property to change the border of an element to XYZ 68.7361, 67.5725, 37.8538 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, 206, 149) }
```


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

```
.border{ border-color:rgb(255, 206, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7361, 67.5725, 37.8538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 149) }
```

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

```
.background{ background-color: rgb(255,  
206, 149) }
```

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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