

Converting Colors

XYZ(69.3407, 67.7616, 41.2004)

Have a look what the booklet for
XYZ(69.3407, 67.7616, 41.2004)
contains.

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Color

**XYZ(69.3971, 67.8369,
41.3345)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE9D
RGB	255, 206, 157
RGB Percent	100%, 81%, 62%
CMY	0.0000, 0.1921, 0.3843
CMYK	0.00, 0.19, 0.38, 0.00
HSL	30°, 100%, 81%
HSV	30°, 38%, 100%
XYZ	69.3971, 67.8369, 41.3345
YIQ	215.0650, 44.9330, -4.8510

Conversions

Conversions Part 2

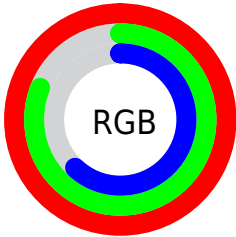
Format	Color
RYB	255, 255, 157
Decimal	16764573
CIELab	85.92, 10.90, 30.92
CIELCh	86, 32.783, 70.576
Yxy	67.8369, 0.3886, 0.3799
Android (android.graphics.Color)	4294954653 (0xFFFFCE9D)
YUV	215.0650, -28.6260, 35.0230
Hunter-Lab	82.3632, 6.2640, 27.8991

Details

The XYZ color **69.3971, 67.8369, 41.3345** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.0252, 58.5287, 103.0575**, and the grayscale version is **64.8032, 68.1781, 74.2459**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **36.8040, 35.3467, 18.2474** is the 20% darker color. If you saturate the color by 10%, you get **64.4979, 61.1664, 30.0584**, and if you desaturate by 10%, it is **75.0031, 75.1935, 55.0891**.

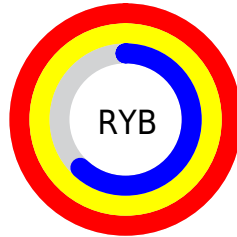
Distribution



Red (100%)

Green (81%)

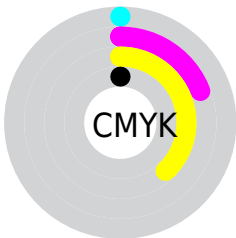
Blue (62%)



Red (100%)

Yellow (100%)

Blue (62%)

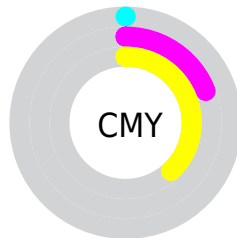


Cyan (0%)

Magenta (19%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.3971, 67.8369, 41.3345 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 69.3971, 67.8369, 41.3345 by changing the saturation by 10% instead.


 69.3971, 67.8369,
41.3345


 69.3971, 67.8369,
41.3345


447.7298,
452.9179, 367.4347

 51.3130, 49.7651,
28.2589


 117.3795,
116.1188, 78.4506

 36.6798, 35.2268,
18.2802

 148.0086,
147.0976, 103.3282

 25.1322, 23.8376,
10.9798


183.5500,
183.1476, 132.9768

 16.3048, 15.2132,
5.9393

224.3691,
224.6530, 167.8150

 9.8323, 8.9691,
2.7400

270.8313,
271.9984, 208.2613

 5.3493, 4.7211,
0.9635

323.3019,

 2.4905, 2.0845,

325.5681, 254.7344

0.0000

382.1463,
385.7465, 307.6526

■ 0.8905, 0.6559,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.3971, 67.8369,
41.3345

■ 69.3971, 67.8369,
41.3345

■ 64.4979, 61.1664,
30.0584

■ 75.0031, 75.1935,
55.0891

■ 60.2659, 55.1492,
21.1047

■ 81.3425, 83.2483,
71.4570

■ 56.6651, 49.7636,
14.3058

■ 88.4464, 92.0251,
90.5682

■ 53.6530, 44.9826,
9.4694

95.0500, 100.0000,
108.9000

■ 51.1803, 40.7757,
6.3682

■ 49.1802, 37.1053,
4.6849

■ 48.8960, 36.5719,
4.4820

Harmonies

Analogous

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



76.0732, 67.8369, 50.1052



69.3971, 67.8369, 41.3345



61.8638, 67.8369, 40.2238

Triad

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



69.3971, 67.8369, 41.3345



51.3036, 67.8369, 81.7128



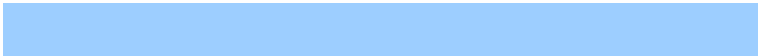
74.3287, 67.8369, 109.9195

Complementary

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



69.3971, 67.8369, 41.3345



54.0252, 58.5287, 103.0575

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.



67.1626, 67.8369, 122.4056



69.3971, 67.8369, 41.3345



54.1234, 67.8369, 104.1459

Square

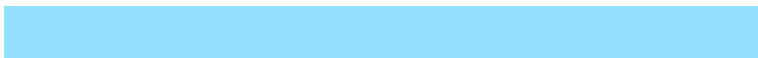
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.3971, 67.8369, 41.3345



51.8000, 67.8369, 60.9510



59.7950, 67.8369, 120.1087



79.0698, 67.8369, 88.4803

Rectangle

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



69.3971, 67.8369, 41.3345



57.4098, 67.8369, 43.6832



59.7950, 67.8369, 120.1087



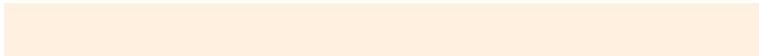
72.1014, 67.8369, 115.4749

Sweetspot

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



69.3988, 67.8401, 41.3359



85.8212, 88.8082, 83.4242



64.4380, 49.8309, 64.6152



18.1690, 18.7616, 17.3159



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.



69.3988, 67.8401, 41.3359



65.6262, 62.7272, 32.5797



83.0859, 95.2144, 45.8983



18.7599, 19.4879, 18.9171



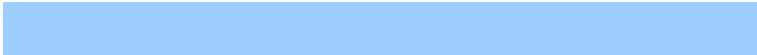
25.6985, 19.4082, 2.3917



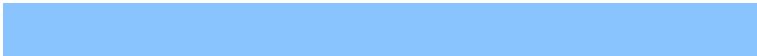
2.6114, 2.1081, 0.2693

Inverse Universe

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



54.0252, 58.5287, 103.0575



48.2991, 52.2327, 102.1440



44.0123, 38.5029, 99.7198



17.7533, 18.8783, 22.9581



13.5793, 12.0681, 51.0483



1.4314, 1.3934, 5.0068

Previews

White Background



This preview shows how the XYZ color 69.3971, 67.8369, 41.3345 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 69.3971, 67.8369, 41.3345 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 69.3971, 67.8369, 41.3345

Background



This preview shows how black text looks on a background with the XYZ color 69.3971, 67.8369, 41.3345.



This preview shows how white text looks on a background with the XYZ color 69.3971, 67.8369,

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

69.3971, 67.8369, 41.3345

Protanopia

63.3666, 67.9971, 43.5032

Deuteranopia

69.3971, 67.8369, 41.3345



Tritanopia

74.2642, 67.8883, 72.8079

Trichromacy



Original Color

69.3971, 67.8369, 41.3345

Protanomaly

65.4853, 67.9758, 42.9269

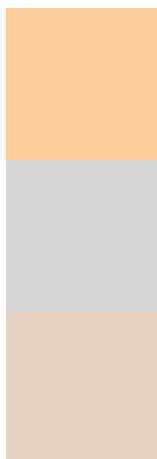
Deuteranomaly

69.3971, 67.8369, 41.3345

Tritanomaly

72.2216, 67.8221, 59.7366

Monochromacy



Original Color

69.3971, 67.8369, 41.3345

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.9142, 67.8050, 60.6526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3971, 67.8369, 41.3345 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, 157)` looks like.

```
.text, #text, p{  
  color:rgb(255, 206, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 157) }
```

Border

The CSS property to change the border of an element to XYZ 69.3971, 67.8369, 41.3345 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, 157) }
```


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

```
.border{ border-color:rgb(255, 206, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3971, 67.8369, 41.3345 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, 157) }
```

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

```
.background{ background-color: rgb(255,  
206, 157) }
```

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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