

Converting Colors

XYZ(136.3990, 102.3184,
42.8069)

Have a look what the booklet for
XYZ(136.3990, 102.3184, 42.8069)
contains.

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Color

**XYZ(69.0611, 67.7025,
39.5650)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE99
RGB	255, 206, 153
RGB Percent	100%, 81%, 60%
CMY	0.0000, 0.1921, 0.4000
CMYK	0.00, 0.19, 0.40, 0.00
HSL	31°, 100%, 80%
HSV	31°, 40%, 100%
XYZ	69.0611, 67.7025, 39.5650
YIQ	214.6090, 46.2170, -6.0950

Conversions

Conversions Part 2

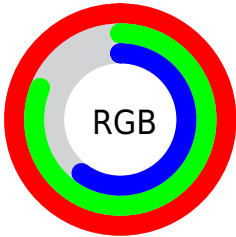
Format	Color
R _Y B	247, 255, 153
Decimal	16764569
CIE Lab	85.86, 10.46, 32.90
CIE LCh	86, 34.522, 72.354
Yxy	67.7025, 0.3917, 0.3840
Android (android.graphics.Color)	4294954649 (0xFFFFCE99)
YUV	214.6090, -30.3732, 35.4229
Hunter-Lab	82.2815, 5.8272, 29.0875

Details

The XYZ color **69.0611, 67.7025, 39.5650** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.3067, 56.2315, 102.7046**, and the grayscale version is **64.5053, 67.8646, 73.9045**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **36.6032, 35.2664, 17.1898** is the 20% darker color. If you saturate the color by 10%, you get **64.3415, 61.2813, 28.6879**, and if you desaturate by 10%, it is **74.4640, 74.7698, 52.8916**.

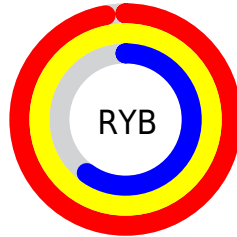
Distribution



Red (100%)

Green (81%)

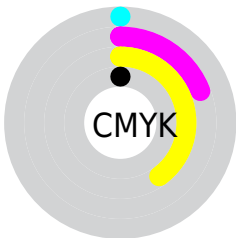
Blue (60%)



Red (97%)

Yellow (100%)

Blue (60%)

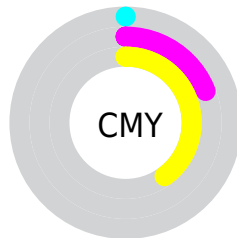


Cyan (0%)

Magenta (19%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.0611, 67.7025, 39.5650 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 69.0611, 67.7025, 39.5650 by changing the saturation by 10% instead.

 69.0611, 67.7025,
39.5650


 69.0611, 67.7025,
39.5650


446.5644,
452.4412, 359.7841

 51.0383, 49.6557,
26.8883


 116.9024,
115.9264, 75.7305

 36.4603, 35.1399,
17.2577

 147.4517,
146.8724, 100.0564

 24.9616, 23.7707,
10.2545

182.9071,
182.8869, 129.1024

 16.1770, 15.1636,
5.4602

223.6341,
224.3544, 163.2872

 9.7412, 8.9343,
2.4563

269.9979,
271.6591, 203.0292

 5.2886, 4.6983,
0.8169

322.3640,

 2.4541, 2.0714,

325.1856, 248.7470

0.0000

381.0978,
385.3182, 300.8591

■ 0.8722, 0.6485,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.0611, 67.7025,
39.5650

■ 69.0611, 67.7025,
39.5650

■ 64.3415, 61.2813,
28.6879

■ 74.4640, 74.7698,
52.8916

■ 60.2660, 55.4746,
20.1022

■ 80.5765, 82.4941,
68.8041

■ 56.7985, 50.2618,
13.6372

■ 87.4296, 90.8983,
87.4339

■ 53.8966, 45.6170,
9.0965

95.0500, 100.0000,
108.9000

■ 51.5102, 41.5109,
6.2459

■ 49.5612, 37.9025,
4.7038

■ 49.5611, 37.9022,
4.7037

Harmonies

Analogous

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



76.2312, 67.7025, 48.1359



69.0611, 67.7025, 39.5650



61.1558, 67.7025, 38.8829

Triad

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



69.0611, 67.7025, 39.5650



50.6310, 67.7025, 83.4145



75.1271, 67.7025, 110.7356

Complementary

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



69.0611, 67.7025, 39.5650



52.3067, 56.2315, 102.7046

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.



67.6519, 67.7025, 124.8592



69.0611, 67.7025, 39.5650



53.7709, 67.7025, 107.0548

Square

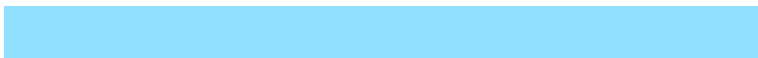
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.0611, 67.7025, 39.5650



50.9408, 67.7025, 61.3082



59.8566, 67.7025, 123.3890



79.9254, 67.7025, 87.6953

Rectangle

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



69.0611, 67.7025, 39.5650



56.5629, 67.7025, 42.7534



59.8566, 67.7025, 123.3890



72.8192, 67.7025, 116.8764

Sweetspot

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



69.0628, 67.7057, 39.5664



85.9978, 89.1615, 83.4831



63.3279, 48.3217, 62.0534



18.2105, 18.8447, 17.3297



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.



69.0628, 67.7057, 39.5664



65.2326, 62.5155, 30.6743



82.1273, 94.7590, 44.0996



18.7903, 19.5488, 18.9273



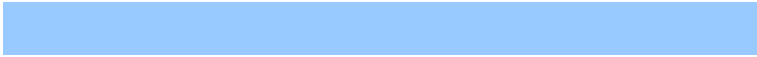
26.0472, 20.1057, 2.5079



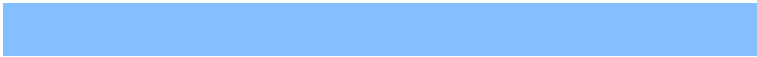
2.6456, 2.1765, 0.2807

Inverse Universe

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



52.3067, 56.2315, 102.7046



46.3765, 49.6075, 101.7386



42.9020, 36.9422, 99.4771



17.7229, 18.8175, 22.9480



13.2470, 11.4035, 50.9375



1.3985, 1.3276, 4.9958

Previews

White Background



This preview shows how the XYZ color 69.0611, 67.7025, 39.5650 looks on a white background.

Color Contrast Check

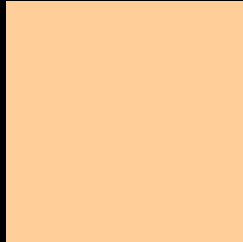
Large Text (above 18pt) WCAG AA × Fail

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 69.0611, 67.7025, 39.5650 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 69.0611, 67.7025, 39.5650

Background



This preview shows how black text looks on a background with the XYZ color 69.0611, 67.7025, 39.5650.



This preview shows how white text looks on a background with the XYZ color 69.0611, 67.7025,

39.5650.

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

69.0611, 67.7025, 39.5650

Protanopia

63.3412, 68.0241, 41.6898

Deuteranopia

69.1440, 67.7357, 40.0019



Tritanopia

74.2642, 67.8883, 72.8079

Trichromacy



Original Color

69.0611, 67.7025, 39.5650

Protanomaly

65.4794, 68.0125, 41.1291

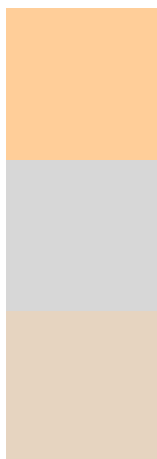
Deuteranomaly

69.1440, 67.7357, 40.0019

Tritanomaly

72.1104, 67.7776, 59.1509

Monochromacy



Original Color

69.0611, 67.7025, 39.5650

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.6910, 67.7157, 59.4773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0611, 67.7025, 39.5650 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 153) }
```

Border

The CSS property to change the border of an element to XYZ 69.0611, 67.7025, 39.5650 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, 153) }
```


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

```
.border{ border-color:rgb(255, 206, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0611, 67.7025, 39.5650 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, 153) }
```

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

```
.background{ background-color: rgb(255,  
206, 153) }
```

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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