

Converting Colors

XYZ(67.5815, 66.3056, 34.2555)

Have a look what the booklet for
XYZ(67.5815, 66.3056, 34.2555)
contains.

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Color

**XYZ(67.6406, 66.3688,
34.4447)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCC8D
RGB	255, 204, 141
RGB Percent	100%, 80%, 55%
CMY	0.0000, 0.2000, 0.4471
CMYK	0.00, 0.20, 0.45, 0.00
HSL	33°, 100%, 78%
HSV	33°, 45%, 100%
XYZ	67.6406, 66.3688, 34.4447
YIQ	212.0670, 50.6190, -8.7810

Conversions

Conversions Part 2

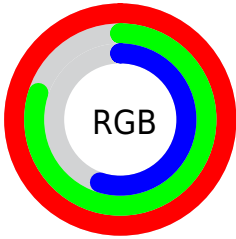
Format	Color
R _Y B	233, 255, 141
Decimal	16764045
CIE Lab	85.18, 10.26, 38.18
CIE LCh	85, 39.536, 74.954
Yxy	66.3688, 0.4015, 0.3940
Android (android.graphics.Color)	4294954125 (0xFFFFCC8D)
YUV	212.0670, -35.0360, 37.6522
Hunter-Lab	81.4670, 5.6379, 31.9588

Details

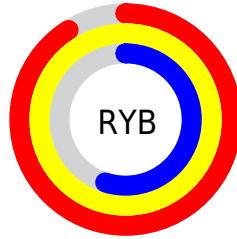
The XYZ color **67.6406, 66.3688, 34.4447** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.8834, 50.5801, 101.8468**, and the grayscale version is **62.8274, 66.0993, 71.9821**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **35.5168, 34.2866, 14.4189** is the 20% darker color. If you saturate the color by 10%, you get **63.3451, 60.4726, 24.7053**, and if you desaturate by 10%, it is **72.5748, 72.8432, 46.5533**.

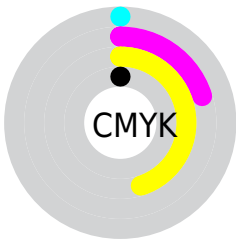
Distribution



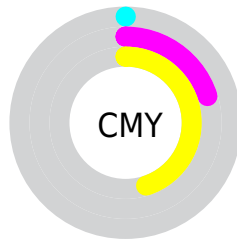
- Red (100%)
- Green (80%)
- Blue (55%)



- Red (91%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (20%)
- Yellow (45%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6406, 66.3688, 34.4447 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 67.6406, 66.3688, 34.4447 by changing the saturation by 10% instead.


 67.6406, 66.3688,
34.4447

 67.6406, 66.3688,
34.4447


441.6183,
447.6947, 336.9399


 49.8780, 48.5718,
22.9553


 114.8826,
114.0155, 67.7664

 35.5339, 34.2800,
14.3555

 145.0927,
144.6340, 90.4358

 24.2429, 23.1088,
8.2268


 180.1827,
180.2952, 117.6690

 15.6396, 14.6738,
4.1506

220.5179,
221.3834, 149.8844

 9.3587, 8.5908,
1.7083

266.4637,
268.2831, 187.5007

 5.0349, 4.4753,
0.3664

318.3855,

 2.3027, 1.9428,

321.3786, 230.9363

0.0000

376.6486,
381.0543, 280.6099

0.7960, 0.5739,
0.0000

0.0000, 0.0000,
0.0000

67.6406, 66.3688,
34.4447

67.6406, 66.3688,
34.4447

63.3451, 60.4726,
24.7053

72.5748, 72.8432,
46.5533

59.6487, 55.1246,
17.1696

78.1744, 79.9055,
61.1734

56.5145, 50.3054,
11.6570

84.4702, 87.5769,
78.4405

53.8980, 45.9901,
7.9559

91.4896, 95.8745,
98.4792

■ 51.7455, 42.1495, 95.0500, 100.0000,
5.8064 108.9000

■ 50.7551, 40.2902,
5.1017

Harmonies

Analogous

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



76.0171, 66.3688, 42.8136



67.6406, 66.3688, 34.4447



58.7577, 66.3688, 34.4321

Triad

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



67.6406, 66.3688, 34.4447



47.9168, 66.3688, 85.6975



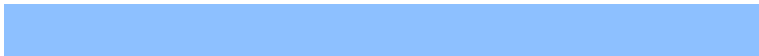
75.9949, 66.3688, 112.9069

Complementary

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



67.6406, 66.3688, 34.4447



47.8834, 50.5801, 101.8468

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.



67.6125, 66.3688, 130.8819



67.6406, 66.3688, 34.4447



51.7036, 66.3688, 112.8311

Square

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



67.6406, 66.3688, 34.4447



47.9228, 66.3688, 60.2457



58.7321, 66.3688, 130.8513



81.1408, 66.3688, 85.7837

Rectangle

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



67.6406, 66.3688, 34.4447



53.7549, 66.3688, 39.0128



58.7321, 66.3688, 130.8513



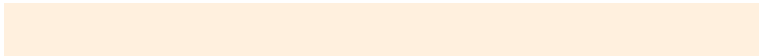
73.4290, 66.3688, 120.4748

Sweetspot

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



67.6422, 66.3720, 34.4460



85.6153, 88.9470, 81.6580



60.3130, 44.1295, 55.3832



18.0088, 18.6595, 16.5900



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.



67.6422, 66.3720, 34.4460



63.6280, 60.8703, 25.3178



79.7418, 93.6380, 39.0712



18.8418, 19.6518, 18.9444



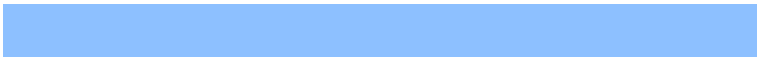
26.6720, 21.3552, 2.7162



2.7061, 2.2975, 0.3008

Inverse Universe

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



47.8834, 50.5801, 101.8468



41.5257, 43.2211, 100.7616



39.5544, 32.4459, 98.7856



17.6720, 18.7155, 22.9310



12.7235, 10.3565, 50.7630



1.3459, 1.2225, 4.9783

Previews

White Background



This preview shows how the XYZ color 67.6406, 66.3688, 34.4447 looks on a white background.

Color Contrast Check

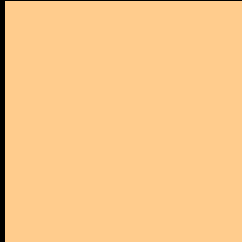
Large Text (above 18pt) WCAG AA × Fail

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 67.6406, 66.3688, 34.4447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

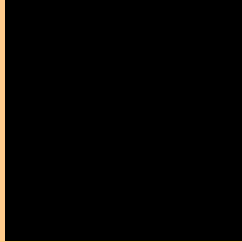
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6406, 66.3688, 34.4447

Background



This preview shows how black text looks on a background with the XYZ color 67.6406, 66.3688, 34.4447.



This preview shows how white text looks on a background with the XYZ color 67.6406, 66.3688,

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

67.6406, 66.3688, 34.4447

Protanopia

61.8601, 66.6218, 36.3870

Deuteranopia

67.7908, 66.4289, 35.2357



Tritanopia

73.1920, 66.3513, 70.5775

Trichromacy



Original Color

67.6406, 66.3688, 34.4447

Protanomaly

64.0158, 66.6321, 35.8728

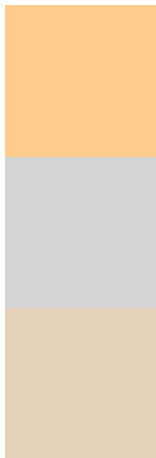
Deuteranomaly

67.7154, 66.3987, 34.8384

Tritanomaly

70.7572, 66.1137, 55.4863

Monochromacy



Original Color

67.6406, 66.3688, 34.4447

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.6583, 65.6401, 55.7690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6406, 66.3688, 34.4447 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, 204, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 141)  
}
```

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, 204, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 141) }
```

Border

The CSS property to change the border of an element to XYZ 67.6406, 66.3688, 34.4447 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, 204, 141) }
```


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

```
.border{ border-color:rgb(255, 204, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6406, 66.3688, 34.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 141) }
```

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

```
.background{ background-color: rgb(255,  
204, 141) }
```

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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