

Converting Colors

XYZ(72.4238, 69.1244, 34.9099)

Have a look what the booklet for
XYZ(72.4238, 69.1244, 34.9099)
contains.

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Color

**XYZ(67.8790, 66.8457,
34.5242)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCD8D
RGB	255, 205, 141
RGB Percent	100%, 80%, 55%
CMY	0.0000, 0.1961, 0.4471
CMYK	0.00, 0.20, 0.45, 0.00
HSL	34°, 100%, 78%
HSV	34°, 45%, 100%
XYZ	67.8790, 66.8457, 34.5242
YIQ	212.6540, 50.3440, -9.3040

Conversions

Conversions Part 2

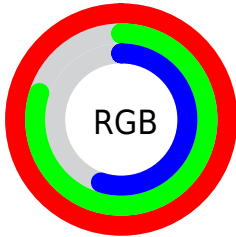
Format	Color
R _Y B	230, 255, 141
Decimal	16764301
CIE Lab	85.43, 9.75, 38.49
CIE LCh	85, 39.707, 75.793
Yxy	66.8457, 0.4011, 0.3950
Android (android.graphics.Color)	4294954381 (0xFFFFCD8D)
YUV	212.6540, -35.3254, 37.1374
Hunter-Lab	81.7592, 5.1175, 32.1953

Details

The XYZ color **67.8790, 66.8457, 34.5242** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.6646, 50.1424, 101.7737**, and the grayscale version is **63.2210, 66.5134, 72.4331**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **35.6770, 34.6072, 14.4723** is the 20% darker color. If you saturate the color by 10%, you get **63.6159, 61.0145, 24.7956**, and if you desaturate by 10%, it is **72.7734, 73.2404, 46.6196**.

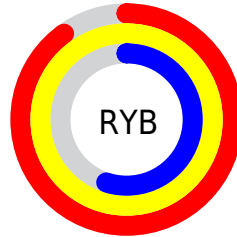
Distribution



Red (100%)

Green (80%)

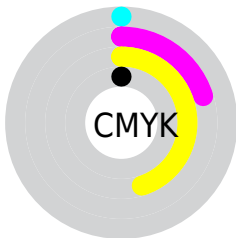
Blue (55%)



Red (90%)

Yellow (100%)

Blue (55%)

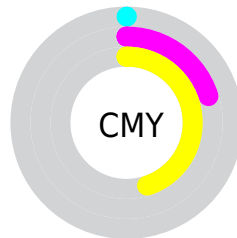


Cyan (0%)

Magenta (20%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8790, 66.8457, 34.5242 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 67.8790, 66.8457, 34.5242 by changing the saturation by 10% instead.


 67.8790, 66.8457,
34.5242

 67.8790, 66.8457,
34.5242


442.4506,
449.3953, 337.3034


 50.0726, 48.9592,
23.0160


 115.2219,
114.6993, 67.8912

 35.6891, 34.5871,
14.3999


 145.4891,
145.4352, 90.5871

 24.3632, 23.3450,
8.2574


 180.6406,
181.2231, 117.8492

 15.7295, 14.8485,
4.1700

221.0419,
222.4473, 150.0962

 9.4225, 8.7131,
1.7190

267.0581,
269.4922, 187.7466

 5.0771, 4.5545,
0.3737

319.0548,

 2.3278, 1.9883,

322.7423, 231.2189

0.0000

377.3971,
382.5818, 280.9316

0.8088, 0.6007,
0.0000

0.0000, 0.0000,
0.0000

67.8790, 66.8457,
34.5242

67.8790, 66.8457,
34.5242

63.6159, 61.0145,
24.7956

72.7734, 73.2404,
46.6196

59.9449, 55.7171,
17.2684

78.3256, 80.2079,
61.2238

56.8292, 50.9350,
11.7620

84.5661, 87.7688,
78.4724

54.2247, 46.6435,
8.0648

91.5221, 95.9397,
98.4900

■ 52.0778, 42.8144,
5.9172

95.0499, 99.9999,
108.9000

■ 51.0880, 40.9562,
5.2127

Harmonies

Analogous

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



76.3859, 66.8457, 42.7149



67.8790, 66.8457, 34.5242



58.9388, 66.8457, 34.7406

Triad

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



67.8790, 66.8457, 34.5242



48.2902, 66.8457, 87.1280



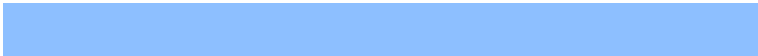
76.7696, 66.8457, 113.1145

Complementary

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



67.8790, 66.8457, 34.5242



47.6646, 50.1424, 101.7737

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.



68.3637, 66.8457, 131.6737



67.8790, 66.8457, 34.5242



52.2125, 66.8457, 114.4212

Square

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



67.8790, 66.8457, 34.5242



48.1870, 66.8457, 61.2810



59.3801, 66.8457, 132.2017



81.8378, 66.8457, 85.6424

Rectangle

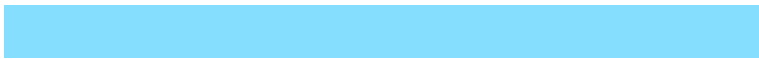
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.8790, 66.8457, 34.5242



53.9384, 66.8457, 39.5203



59.3801, 66.8457, 132.2017



74.2069, 66.8457, 120.8604

Sweetspot

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



67.8806, 66.8489, 34.5255



85.7011, 89.1186, 81.6866



60.3129, 44.1294, 55.3832



18.0300, 18.7018, 16.5970



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.



67.8806, 66.8489, 34.5255



63.8969, 61.4081, 25.4075



79.7416, 93.6378, 39.0712



18.8555, 19.6792, 18.9490



26.8460, 21.7032, 2.7742



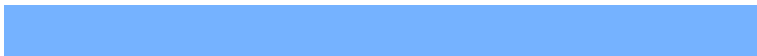
2.7228, 2.3309, 0.3064

Inverse Universe

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



47.6646, 50.1424, 101.7737



41.2848, 42.7394, 100.6813



39.5544, 32.4459, 98.7854



17.6585, 18.6885, 22.9265



12.5919, 10.0934, 50.7191



1.3326, 1.1958, 4.9739

Previews

White Background



This preview shows how the XYZ color 67.8790, 66.8457, 34.5242 looks on a white background.

Color Contrast Check

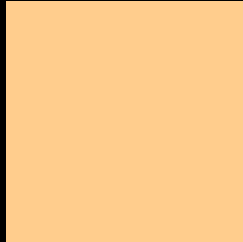
Large Text (above 18pt) WCAG AA × Fail

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 67.8790, 66.8457, 34.5242 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 67.8790, 66.8457, 34.5242

Background



This preview shows how black text looks on a background with the XYZ color 67.8790, 66.8457, 34.5242.



This preview shows how white text looks on a background with the XYZ color 67.8790, 66.8457,

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

67.8790, 66.8457, 34.5242

Protanopia

62.0356, 67.0957, 36.0667

Deuteranopia

68.1822, 66.9670, 36.1204



Tritanopia

73.5471, 66.8603, 71.3163

Trichromacy



Original Color

67.8790, 66.8457, 34.5242

Protanomaly

64.1874, 67.0970, 35.5546

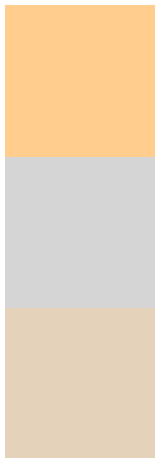
Deuteranomaly

68.1054, 66.9363, 35.7160

Tritanomaly

70.9896, 66.5785, 55.5637

Monochromacy



Original Color

67.8790, 66.8457, 34.5242

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.0111, 66.1750, 56.4130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8790, 66.8457, 34.5242 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, 205, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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, 205, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 141) }
```

Border

The CSS property to change the border of an element to XYZ 67.8790, 66.8457, 34.5242 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, 205, 141) }
```


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

```
.border{ border-color:rgb(255, 205, 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, 205, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8790, 66.8457, 34.5242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 141) }
```

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

```
.background{ background-color: rgb(255,  
205, 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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