

Converting Colors

XYZ(68.6970, 68.6834, 34.1747)

Have a look what the booklet for
XYZ(68.6970, 68.6834, 34.1747)
contains.

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Color

**XYZ(68.7007, 68.7250,
34.0704)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD18B
RGB	255, 209, 139
RGB Percent	100%, 82%, 55%
CMY	0.0000, 0.1804, 0.4549
CMYK	0.00, 0.18, 0.45, 0.00
HSL	36°, 100%, 77%
HSV	36°, 45%, 100%
XYZ	68.7007, 68.7250, 34.0704
YIQ	214.7740, 49.8860, -12.0180

Conversions

Conversions Part 2

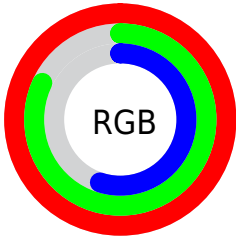
Format	Color
R _Y B	215, 255, 139
Decimal	16765323
CIE Lab	86.37, 7.48, 40.72
CIE LCh	86, 41.398, 79.587
Yxy	68.7250, 0.4006, 0.4007
Android (android.graphics.Color)	4294955403 (0xFFFFD18B)
YUV	214.7740, -37.3566, 35.2782
Hunter-Lab	82.9005, 2.8492, 33.6634

Details

The XYZ color **68.7007, 68.7250, 34.0704** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.0458, 47.4052, 101.3309**, and the grayscale version is **64.6610, 68.0284, 74.0829**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **36.2477, 35.8830, 14.2482** is the 20% darker color. If you saturate the color by 10%, you get **64.6484, 63.2625, 24.5749**, and if you desaturate by 10%, it is **73.3484, 74.6828, 45.9095**.

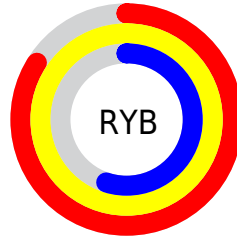
Distribution



Red (100%)

Green (82%)

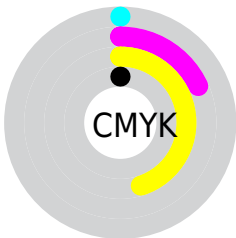
Blue (55%)



Red (84%)

Yellow (100%)

Blue (55%)

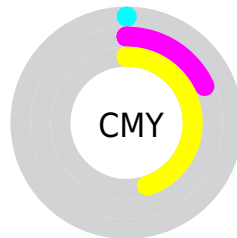


Cyan (0%)

Magenta (18%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7007, 68.7250, 34.0704 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 68.7007, 68.7250, 34.0704 by changing the saturation by 10% instead.


 68.7007, 68.7250,
34.0704

 68.7007, 68.7250,
34.0704


445.3125,
456.0605, 335.2246


 50.7438, 50.4878,
22.6699


 116.3904,
117.3887, 67.1783

 36.2249, 35.8011,
14.1469


 146.8539,
148.5840, 89.7227

 24.7789, 24.2806,
8.0830


 182.2169,
184.8674, 116.8189

 16.0402, 15.5419,
4.0596

222.8448,
226.6234, 148.8853

 9.6437, 9.2006,
1.6581

269.1029,
274.2363, 186.3406

 5.2238, 4.8723,
0.3318

321.3567,

 2.4153, 2.1725,

328.0905, 229.6032

0.0000

379.9715,
388.5704, 279.0917

■ 0.8527, 0.7049,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.7007, 68.7250,
34.0704

■ 68.7007, 68.7250,
34.0704

■ 64.6484, 63.2625,
24.5749

■ 73.3484, 74.6828,
45.9095

■ 61.1529, 58.2673,
17.2566

■ 78.6169, 81.1427,
60.2350

■ 58.1782, 53.7230,
11.9333

■ 84.5362, 88.1238,
77.1828

■ 55.6808, 49.6073,
8.3909

■ 91.1323, 95.6407,
96.8780

■ 53.6075, 45.8937, 95.0500, 100.0000,
6.3650 108.9000

■ 52.7777, 44.3355,
5.7759

Harmonies

Analogous

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



77.9799, 68.7250, 41.4723



68.7007, 68.7250, 34.0704



59.3493, 68.7250, 35.3769

Triad

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



68.7007, 68.7250, 34.0704



49.4854, 68.7250, 93.9063



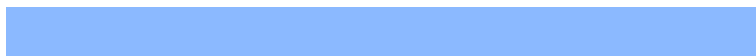
80.3435, 68.7250, 114.4192

Complementary

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



68.7007, 68.7250, 34.0704



46.0458, 47.4052, 101.3309

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.



71.6805, 68.7250, 136.2076



68.7007, 68.7250, 34.0704



54.1121, 68.7250, 122.5069

Square

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



68.7007, 68.7250, 34.0704



48.8556, 68.7250, 65.7108



62.0541, 68.7250, 139.4832



85.1238, 68.7250, 84.7558

Rectangle

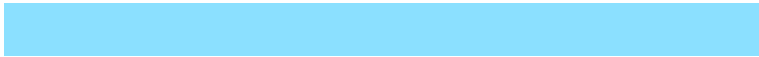
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.7007, 68.7250, 34.0704



54.2913, 68.7250, 41.1441



62.0541, 68.7250, 139.4832



77.7517, 68.7250, 123.1856

Sweetspot

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



68.7024, 68.7283, 34.0718



85.4751, 89.2091, 79.9391



59.2723, 43.2456, 51.3446



18.0051, 18.7587, 16.2598



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.



68.7024, 68.7283, 34.0718



64.8335, 63.5189, 24.9876



77.5207, 92.5100, 38.1974



18.9214, 19.8111, 18.9710



27.7274, 23.4660, 3.0680



2.8065, 2.4983, 0.3343

Inverse Universe

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



46.0458, 47.4052, 101.3309



39.5296, 39.7323, 100.1934



39.9716, 32.2271, 98.7214



17.5939, 18.5595, 22.9050



12.0043, 8.9182, 50.5233



1.2719, 1.0745, 4.9536

Previews

White Background



This preview shows how the XYZ color 68.7007, 68.7250, 34.0704 looks on a white background.

Color Contrast Check

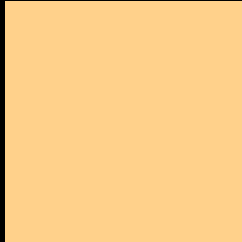
Large Text (above 18pt) WCAG AA × Fail

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 68.7007, 68.7250, 34.0704 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 68.7007, 68.7250, 34.0704

Background



This preview shows how black text looks on a background with the XYZ color 68.7007, 68.7250, 34.0704.



This preview shows how white text looks on a background with the XYZ color 68.7007, 68.7250,

34.0704.

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

68.7007, 68.7250, 34.0704

Protanopia

63.6993, 68.7269, 35.4995

Deuteranopia

69.5456, 68.6717, 39.7265



Tritanopia

74.8617, 68.8782, 73.6392

Trichromacy



Original Color

68.7007, 68.7250, 34.0704

Protanomaly

65.2199, 68.3888, 34.9622

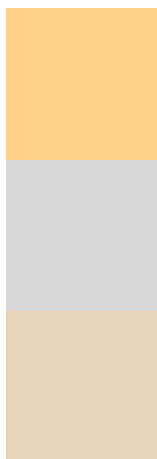
Deuteranomaly

69.1412, 68.5099, 37.5966

Tritanomaly

72.0410, 68.5105, 56.4406

Monochromacy



Original Color

68.7007, 68.7250, 34.0704

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.3970, 67.9994, 56.6921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7007, 68.7250, 34.0704 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, 209, 139)` looks like.

```
.text, #text, p{  
  color:rgb(255, 209, 139)  
}
```

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, 209, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 139) }
```

Border

The CSS property to change the border of an element to XYZ 68.7007, 68.7250, 34.0704 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, 209, 139) }
```


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

```
.border{ border-color:rgb(255, 209, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7007, 68.7250, 34.0704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 139) }
```

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

```
.background{ background-color: rgb(255,  
209, 139) }
```

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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