

Converting Colors

XYZ(81.9743, 76.7478, 35.2718)

Have a look what the booklet for
XYZ(81.9743, 76.7478, 35.2718)
contains.

XYZ(69.5171, 70.2404, 34.7048)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.5171, 70.2404,
34.7048)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD48C
RGB	255, 212, 140
RGB Percent	100%, 83%, 55%
CMY	0.0000, 0.1686, 0.4510
CMYK	0.00, 0.17, 0.45, 0.00
HSL	38°, 100%, 77%
HSV	38°, 45%, 100%
XYZ	69.5171, 70.2404, 34.7048
YIQ	216.6490, 48.7400, -13.2760

Conversions

Conversions Part 2

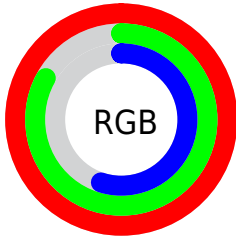
Format	Color
R _Y B	209, 255, 140
Decimal	16766092
CIE Lab	87.11, 6.03, 41.17
CIE LCh	87, 41.606, 81.662
Yxy	70.2404, 0.3985, 0.4026
Android (android.graphics.Color)	4294956172 (0xFFFFD48C)
YUV	216.6490, -37.7880, 33.6338
Hunter-Lab	83.8095, 1.3928, 34.1152

Details

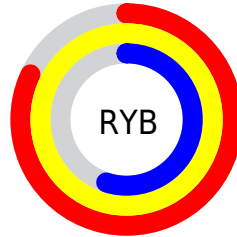
The XYZ color **69.5171, 70.2404, 34.7048** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.7981, 46.6608, 101.2001**, and the grayscale version is **65.9416, 69.3757, 75.5501**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **36.7533, 36.8941, 14.4167** is the 20% darker color. If you saturate the color by 10%, you get **65.5376, 64.9497, 25.1523**, and if you desaturate by 10%, it is **74.0765, 75.9934, 46.6015**.

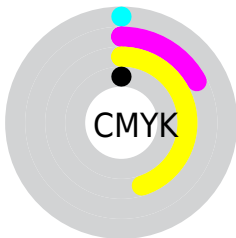
Distribution



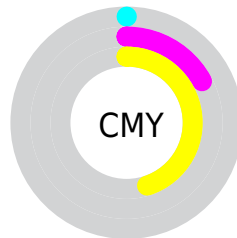
- Red (100%)
- Green (83%)
- Blue (55%)



- Red (82%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (17%)
- Yellow (45%)
- Black (0%)





- Cyan (0%)
- Magenta (17%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5171, 70.2404, 34.7048 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 69.5171, 70.2404, 34.7048 by changing the saturation by 10% instead.


 69.5171, 70.2404,
34.7048


 69.5171, 70.2404,
34.7048


448.1455,
461.3936, 338.1280


 51.4111, 51.7225,
23.1538


 117.5499,
119.5515, 68.1746

 36.7583, 36.7840,
14.5008


 148.2074,
151.1136, 90.9305

 25.1932, 25.0403,
8.3271


 183.7795,
187.7925, 118.2584

 16.3506, 16.1071,
4.2142

224.6314,
229.9726, 150.5770

 9.8650, 9.5999,
1.7436

271.1287,
278.0384, 188.3047

 5.3711, 5.1345,
0.3903

323.6365,

 2.5036, 2.3264,

332.3743, 231.8600

0.0000

382.5204,
393.3645, 281.6616

■ 0.8971, 0.7876,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.5171, 70.2404,
34.7048

■ 69.5171, 70.2404,
34.7048

■ 65.5376, 64.9497,
25.1523

■ 74.0765, 75.9934,
46.6015

■ 62.0998, 60.0945,
17.7781

■ 79.2406, 82.2146,
60.9841

■ 59.1686, 55.6592,
12.4014

■ 85.0387, 88.9220,
77.9884

■ 56.7013, 51.6228,
8.8097

■ 91.4965, 96.1294,
97.7386

■ 54.6456, 47.9602, 95.0499, 99.9999,
6.7413 108.9000

■ 53.7527, 46.2856,
6.1009

Harmonies

Analogous

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



79.0794, 70.2404, 41.6212



69.5171, 70.2404, 34.7048



60.0769, 70.2404, 36.6441

Triad

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



69.5171, 70.2404, 34.7048



50.8088, 70.2404, 98.0622



82.5735, 70.2404, 114.8552

Complementary

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



69.5171, 70.2404, 34.7048



45.7981, 46.6608, 101.2001

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.



73.9242, 70.2404, 138.0230



69.5171, 70.2404, 34.7048



55.7939, 70.2404, 126.8006

Square

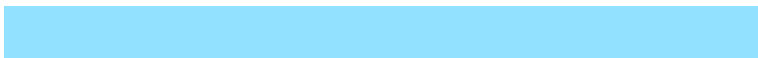
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5171, 70.2404, 34.7048



49.8760, 70.2404, 68.9551



64.0795, 70.2404, 142.8584



87.0831, 70.2404, 84.5330

Rectangle

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



69.5171, 70.2404, 34.7048



55.0578, 70.2404, 42.9705



64.0795, 70.2404, 142.8584



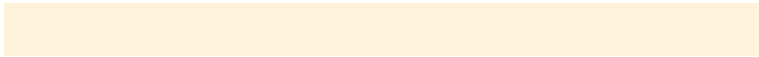
80.0160, 70.2404, 124.0159

Sweetspot

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



69.5188, 70.2437, 34.7062



85.7147, 89.6883, 80.0190



59.2789, 43.4811, 50.6623



18.0636, 18.8757, 16.2793



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.



69.5188, 70.2437, 34.7062



65.9473, 65.5089, 26.0909



76.9688, 92.2170, 38.5548



18.9571, 19.8824, 18.9829



28.2351, 24.4814, 3.2372



2.8541, 2.5936, 0.3502

Inverse Universe

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



45.7981, 46.6608, 101.2001



39.5737, 39.3172, 100.1110



40.6444, 32.7900, 98.7944



17.5593, 18.4903, 22.8935



11.7168, 8.3431, 50.4274



1.2415, 1.0138, 4.9435

Previews

White Background



This preview shows how the XYZ color 69.5171, 70.2404, 34.7048 looks on a white background.

Color Contrast Check

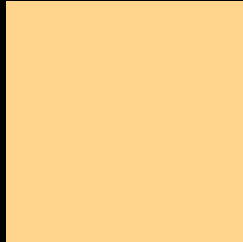
Large Text (above 18pt) WCAG AA × Fail

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 69.5171, 70.2404, 34.7048 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 69.5171, 70.2404, 34.7048

Background



This preview shows how black text looks on a background with the XYZ color 69.5171, 70.2404, 34.7048.



This preview shows how white text looks on a background with the XYZ color 69.5171, 70.2404,

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

69.5171, 70.2404, 34.7048

Protanopia

64.9544, 70.1305, 36.0997

Deuteranopia

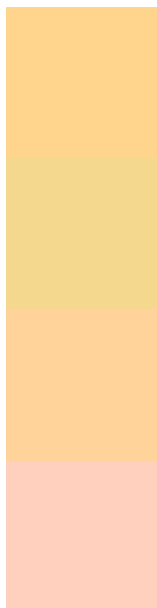
70.8794, 70.3866, 43.1079



Tritanopia

75.7262, 69.9846, 75.8468

Trichromacy



Original Color

69.5171, 70.2404, 34.7048

Protanomaly

66.7466, 70.2978, 35.6421

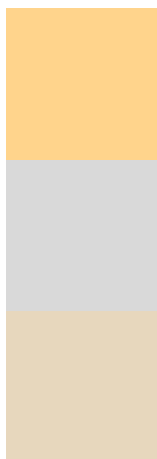
Deuteranomaly

70.2840, 70.1484, 39.9726

Tritanomaly

73.0901, 70.0895, 58.3915

Monochromacy



Original Color

69.5171, 70.2404, 34.7048

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.4407, 69.2639, 58.0116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5171, 70.2404, 34.7048 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, 212, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 140)  
}
```

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, 212, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 140) }
```

Border

The CSS property to change the border of an element to XYZ 69.5171, 70.2404, 34.7048 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, 212, 140) }
```


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

```
.border{ border-color:rgb(255, 212, 140) }
```

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

Here you see how a box with a 4 pixel rgb(255, 212, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5171, 70.2404, 34.7048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 140) }
```

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

```
.background{ background-color: rgb(255,  
212, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor