

Converting Colors

XYZ(70.2868, 71.2587, 36.5678)

Have a look what the booklet for
XYZ(70.2868, 71.2587, 36.5678)
contains.

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Color

**XYZ(70.3206, 71.3668,
36.4544)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD690
RGB	255, 214, 144
RGB Percent	100%, 84%, 56%
CMY	0.0000, 0.1608, 0.4353
CMYK	0.00, 0.16, 0.44, 0.00
HSL	38°, 100%, 78%
HSV	38°, 44%, 100%
XYZ	70.3206, 71.3668, 36.4544
YIQ	218.2790, 46.9060, -13.0780

Conversions

Conversions Part 2

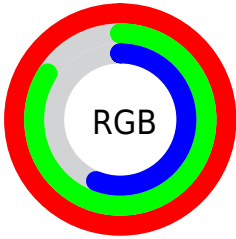
Format	Color
R _Y B	209, 255, 144
Decimal	16766608
CIE Lab	87.66, 5.40, 39.85
CIE LCh	88, 40.217, 82.285
Yxy	71.3668, 0.3947, 0.4006
Android (android.graphics.Color)	4294956688 (0xFFFFD690)
YUV	218.2790, -36.6195, 32.2043
Hunter-Lab	84.4789, 0.7462, 33.5503

Details

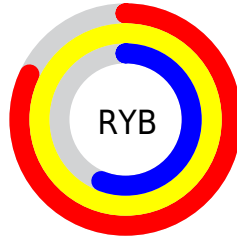
The XYZ color **70.3206, 71.3668, 36.4544** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.8999, 47.8453, 101.3707**, and the grayscale version is **67.0569, 70.5491, 76.8280**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **37.0949, 37.3047, 15.3706** is the 20% darker color. If you saturate the color by 10%, you get **66.2730, 66.0463, 26.5517**, and if you desaturate by 10%, it is **74.9497, 77.1457, 48.7241**.

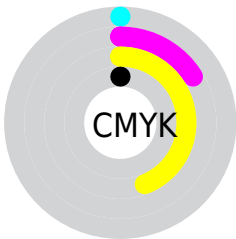
Distribution



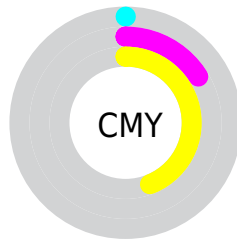
- Red (100%)
- Green (84%)
- Blue (56%)



- Red (82%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (16%)
- Yellow (44%)
- Black (0%)





- Cyan (0%)
- Magenta (16%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3206, 71.3668, 36.4544 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 70.3206, 71.3668, 36.4544 by changing the saturation by 10% instead.


 70.3206, 71.3668,
36.4544

 70.3206, 71.3668,
36.4544


450.9238,
465.3347, 346.0396

 52.0685, 52.6416,
24.4929


 118.6896,
121.1559, 70.9098

 37.2842, 37.5167,
15.4841


 149.5372,
152.9885, 94.2407

 25.6023, 25.6078,
9.0094


185.3141,
189.9591, 122.1985

 16.6574, 16.5305,
4.6504

226.3854,
232.4520, 155.2017

 10.0843, 9.9003,
1.9885

273.1168,
280.8516, 193.6689

 5.5176, 5.3329,
0.5482

325.8733,

 2.5919, 2.4439,

335.5423, 238.0186

0.0000

385.0206,
396.9085, 288.6693

0.9418, 0.8483,
0.0000

0.0000, 0.0000,
0.0000

70.3206, 71.3668,
36.4544

70.3206, 71.3668,
36.4544

66.2730, 66.0463,
26.5517

74.9497, 77.1457,
48.7241

62.7694, 61.1575,
18.8527

80.1846, 83.3884,
63.5004

59.7753, 56.6856,
13.1804

86.0541, 90.1126,
80.9172

57.2493, 52.6100,
9.3281

92.5837, 97.3318,
101.0976

■ 55.1411, 48.9067, 95.0499, 99.9999,
7.0438 108.9000

■ 53.9541, 46.6884,
6.1681

Harmonies

Analogous

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



79.6648, 71.3668, 43.1583



70.3206, 71.3668, 36.4544



61.1206, 71.3668, 38.5731

Triad

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



70.3206, 71.3668, 36.4544



52.2563, 71.3668, 99.3443



83.3774, 71.3668, 114.4150

Complementary

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



70.3206, 71.3668, 36.4544



46.8999, 47.8453, 101.3707

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.



75.0176, 71.3668, 137.0518



70.3206, 71.3668, 36.4544



57.2331, 71.3668, 127.0273

Square

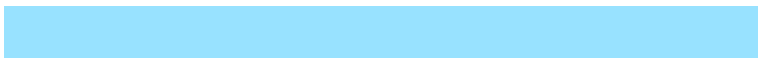
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3206, 71.3668, 36.4544



51.2524, 71.3668, 70.8751



65.4028, 71.3668, 142.1400



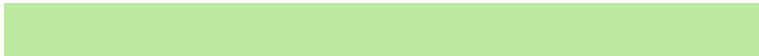
87.6494, 71.3668, 84.9629

Rectangle

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



70.3206, 71.3668, 36.4544



56.2397, 71.3668, 45.0009



65.4028, 71.3668, 142.1400



80.9169, 71.3668, 123.3322

Sweetspot

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



70.3224, 71.3702, 36.4558



86.3827, 90.4819, 81.9138



60.1351, 44.7758, 52.2353



18.1985, 19.0389, 16.6532



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.



70.3224, 71.3702, 36.4558



66.8560, 66.8316, 27.9187



77.4292, 92.4196, 40.1442



18.9643, 19.8967, 18.9853



28.3399, 24.6910, 3.2722



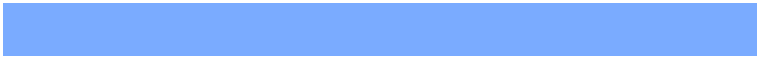
2.8639, 2.6131, 0.3534

Inverse Universe

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



46.8999, 47.8453, 101.3707



40.7659, 40.6530, 100.3060



41.9188, 34.3304, 99.0246



17.5524, 18.4764, 22.8911



11.6614, 8.2323, 50.4090



1.2356, 1.0019, 4.9415

Previews

White Background



This preview shows how the XYZ color 70.3206, 71.3668, 36.4544 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 70.3206, 71.3668, 36.4544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

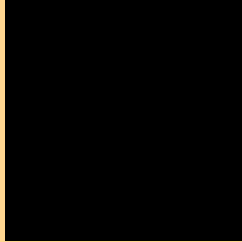
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3206, 71.3668, 36.4544

Background



This preview shows how black text looks on a background with the XYZ color 70.3206, 71.3668, 36.4544.



This preview shows how white text looks on a background with the XYZ color 70.3206, 71.3668,

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

70.3206, 71.3668, 36.4544

Protanopia

66.3781, 71.6124, 37.5182

Deuteranopia

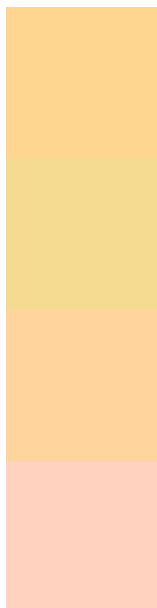
71.8258, 71.5651, 45.6251



Tritanopia

76.7141, 71.5391, 77.4753

Trichromacy



Original Color

70.3206, 71.3668, 36.4544

Protanomaly

67.8384, 71.5996, 37.0327

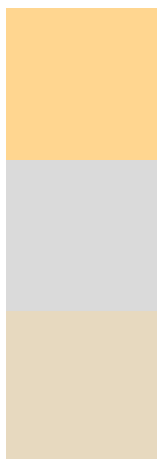
Deuteranomaly

71.1201, 71.2828, 41.9088

Tritanomaly

73.8010, 71.1590, 59.7145

Monochromacy



Original Color

70.3206, 71.3668, 36.4544

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.1718, 70.3762, 59.3338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3206, 71.3668, 36.4544 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, 214, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 144)  
}
```

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, 214, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 144) }
```

Border

The CSS property to change the border of an element to XYZ 70.3206, 71.3668, 36.4544 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, 214, 144) }
```


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

```
.border{ border-color:rgb(255, 214, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3206, 71.3668, 36.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 144) }
```

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

```
.background{ background-color: rgb(255,  
214, 144) }
```

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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