

# Converting Colors

XYZ(70.6055, 72.2999, 35.4292)

Have a look what the booklet for  
XYZ(70.6055, 72.2999, 35.4292)  
contains.

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# Color

**XYZ(70.6036, 72.2948,  
35.4324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD88D
RGB	255, 216, 141
RGB Percent	100%, 85%, 55%
CMY	0.0000, 0.1529, 0.4470
CMYK	0.00, 0.15, 0.45, 0.00
HSL	39°, 100%, 78%
HSV	39°, 45%, 100%
XYZ	70.6036, 72.2948, 35.4324
YIQ	219.1110, 47.3190, -15.0570

# Conversions

## Conversions Part 2

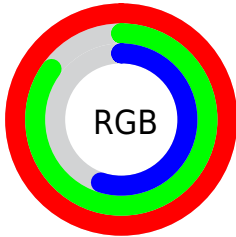
Format	Color
R <sub>Y</sub> B	200, 255, 141
Decimal	16767117
CIE Lab	88.11, 4.08, 41.93
CIE LCh	88, 42.132, 84.448
Yxy	72.2948, 0.3959, 0.4054
Android (android.graphics.Color)	4294957197 (0xFFFFD88D)
YUV	219.1110, -38.5087, 31.4747
Hunter-Lab	85.0263, -0.5745, 34.8110

# Details

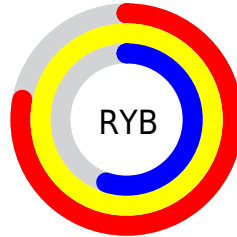
The XYZ color **70.6036, 72.2948, 35.4324** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.3553, 45.5237, 101.0041**, and the grayscale version is **67.6464, 71.1693, 77.5034**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **37.3130, 37.9468, 14.8090** is the 20% darker color. If you saturate the color by 10%, you get **66.7452, 67.2728, 25.8387**, and if you desaturate by 10%, it is **75.0210, 77.7356, 47.3689**.

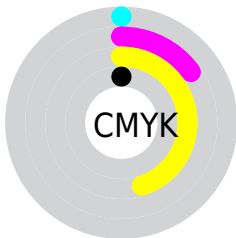
# Distribution



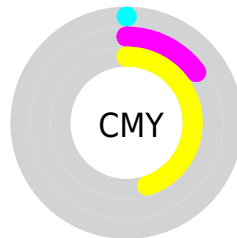
- Red (100%)
- Green (85%)
- Blue (55%)



- Red (78%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (15%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6036, 72.2948, 35.4324 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 70.6036, 72.2948, 35.4324 by changing the saturation by 10% instead.




 70.6036, 72.2948,  
35.4324

 70.6036, 72.2948,  
35.4324


451.8999,  
468.5670, 341.4349

 52.3001, 53.3995,  
23.7099


 119.0907,  
122.4756, 69.3142

 37.4696, 38.1218,  
14.9084


 150.0051,  
154.5299, 92.3107

 25.7466, 26.0772,  
8.6092


185.8538,  
191.7393, 119.9022

 16.7659, 16.8814,  
4.3939

227.0022,  
234.4882, 152.5074

 10.1620, 10.1500,  
1.8438

273.8157,  
283.1610, 190.5447

 5.5696, 5.4985,  
0.4566

326.6595,

 2.6233, 2.5426,

338.1422, 234.4326

0.0000

385.8992,  
399.8161, 284.5899

■ 0.9579, 0.8979,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.6036, 72.2948,  
35.4324

■ 70.6036, 72.2948,  
35.4324

■ 66.7452, 67.2728,  
25.8387

■ 75.0210, 77.7356,  
47.3689

■ 63.4082, 62.6437,  
18.4229

■ 80.0215, 83.5995,  
61.7893

■ 60.5584, 58.3933,  
13.0050

■ 85.6336, 89.9036,  
78.8285

■ 58.1539, 54.5018,  
9.3745

■ 91.8827, 96.6606,  
98.6105

■ 56.1436, 50.9458, 95.0499, 100.0000,  
7.2724 108.9000

■ 55.2013, 49.1826,  
6.5838

# Harmonies

## Analogous

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



80.5929, 72.2948, 41.6838



70.6036, 72.2948, 35.4324



61.0111, 72.2948, 38.2713

# Triad

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



70.6036, 72.2948, 35.4324



52.5581, 72.2948, 103.9578



85.6939, 72.2948, 115.5442

# Complementary

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



70.6036, 72.2948, 35.4324



45.3553, 45.5237, 101.0041

# 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.



77.0394, 72.2948, 140.7259



70.6036, 72.2948, 35.4324



58.0638, 72.2948, 132.9735

# Square

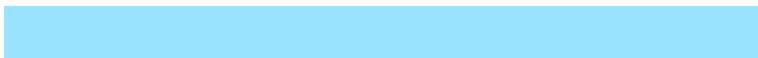
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6036, 72.2948, 35.4324



51.1946, 72.2948, 73.4749



66.8585, 72.2948, 147.7783



89.8338, 72.2948, 84.2022

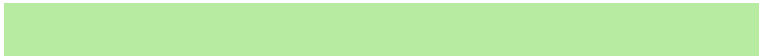


# Rectangle

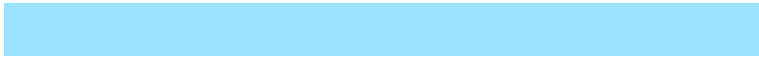
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6036, 72.2948, 35.4324



56.0325, 72.2948, 45.4067



66.8585, 72.2948, 147.7783



83.1777, 72.2948, 125.2878

# Sweetspot

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



70.6054, 72.2982, 35.4339



86.6535, 91.0234, 82.0040



59.0955, 43.6426, 48.9723



18.2656, 19.1730, 16.6756



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.



70.6054, 72.2982, 35.4339



66.9998, 67.6140, 26.4418



75.7942, 91.6029, 38.8866



19.0074, 19.9830, 18.9996



28.9882, 25.9876, 3.4883



2.9241, 2.7336, 0.3735



# Inverse Universe

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



45.3553, 45.5237, 101.0041



38.7738, 37.7174, 99.8443



41.6958, 33.5499, 98.8858



17.5109, 18.3934, 22.8773



11.3459, 7.6014, 50.3038



1.2015, 0.9338, 4.9302



# Previews

## White Background



This preview shows how the XYZ color 70.6036, 72.2948, 35.4324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

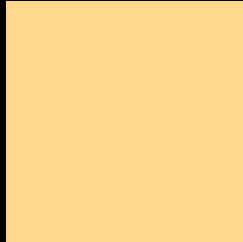
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6036, 72.2948, 35.4324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

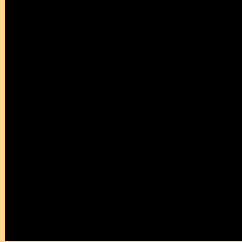
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.6036, 72.2948, 35.4324**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.6036, 72.2948, 35.4324.



This preview shows how white text looks on a background with the XYZ color 70.6036, 72.2948,

35.4324.

# 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

70.6036, 72.2948, 35.4324

### Protanopia

67.0900, 72.3968, 36.4246

### Deuteranopia

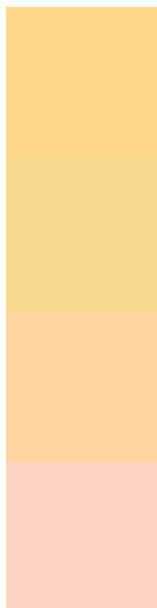
72.3545, 72.1803, 47.1645



## Tritanopia

77.2253, 72.1349, 78.9604

# Trichromacy



## Original Color

70.6036, 72.2948, 35.4324

## Protanomaly

68.2200, 72.2089, 35.9333

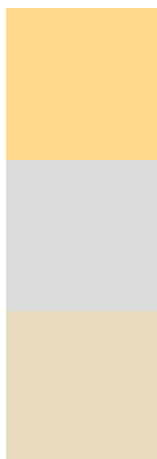
## Deuteranomaly

71.7120, 72.3295, 42.5291

## Tritanomaly

74.4091, 72.1972, 60.4658

# Monochromacy



## Original Color

70.6036, 72.2948, 35.4324

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

67.7541, 71.0602, 59.4352

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.6036, 72.2948, 35.4324 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, 216, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 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, 216, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6036, 72.2948, 35.4324 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, 216, 141) }
```



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

```
.border{ border-color:rgb(255, 216, 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, 216, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6036, 72.2948, 35.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 141) }
```

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

```
.background{ background-color: rgb(255,  
216, 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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