

# Converting Colors

XYZ(74.3908, 73.6387, 36.0115)

Have a look what the booklet for  
XYZ(74.3908, 73.6387, 36.0115)  
contains.

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# Color

**XYZ(70.1691, 71.3061,  
35.6563)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD68E
RGB	255, 214, 142
RGB Percent	100%, 84%, 56%
CMY	0.0000, 0.1608, 0.4431
CMYK	0.00, 0.16, 0.44, 0.00
HSL	38°, 100%, 78%
HSV	38°, 44%, 100%
XYZ	70.1691, 71.3061, 35.6563
YIQ	218.0510, 47.5480, -13.7000

# Conversions

## Conversions Part 2

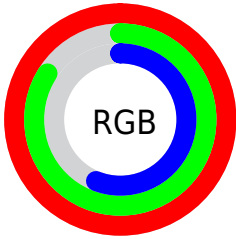
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 255, 142
Decimal	16766606
CIE Lab	87.63, 5.20, 40.82
CIE LCh	88, 41.154, 82.740
Yxy	71.3061, 0.3961, 0.4026
Android (android.graphics.Color)	4294956686 (0xFFFFD68E)
YUV	218.0510, -37.4931, 32.4043
Hunter-Lab	84.4429, 0.5521, 34.0747

# Details

The XYZ color **70.1691, 71.3061, 35.6563** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.1383, 46.8362, 101.2163**, and the grayscale version is **66.9048, 70.3890, 76.6536**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **37.0086, 37.2702, 14.9162** is the 20% darker color. If you saturate the color by 10%, you get **66.1946, 66.0784, 25.9421**, and if you desaturate by 10%, it is **74.7181, 76.9816, 47.7240**.

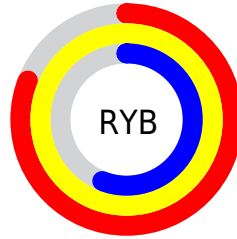
# Distribution



Red (100%)

Green (84%)

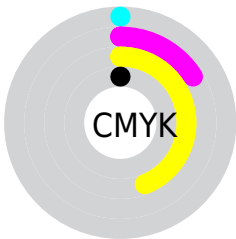
Blue (56%)



Red (81%)

Yellow (100%)

Blue (56%)

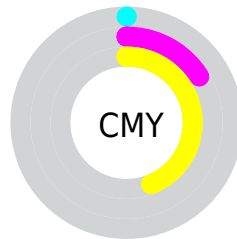


Cyan (0%)

Magenta (16%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1691, 71.3061, 35.6563 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 70.1691, 71.3061, 35.6563 by changing the saturation by 10% instead.




 70.1691, 71.3061,  
35.6563

 70.1691, 71.3061,  
35.6563


450.4007,  
465.1228, 342.4477

 51.9445, 52.5920,  
23.8813


 118.4748,  
121.0695, 69.6643

 37.1849, 37.4772,  
15.0342


 149.2867,  
152.8876, 92.7344

 25.5250, 25.5772,  
8.6965


185.0250,  
189.8425, 120.4065

 16.5995, 16.5076,  
4.4497

226.0551,  
232.3186, 153.0993

 10.0429, 9.8840,  
1.8751

272.7423,  
280.7002, 191.2313

 5.4899, 5.3221,  
0.4768

325.4521,

 2.5751, 2.4375,

335.3719, 235.2210

0.0000

384.5498,  
396.7180, 285.4869

■ 0.9333, 0.8451,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.1691, 71.3061,  
35.6563

■ 70.1691, 71.3061,  
35.6563

■ 66.1946, 66.0784,  
25.9421

■ 74.7181, 76.9816,  
47.7240

■ 62.7568, 61.2721,  
18.4171

■ 79.8658, 83.1102,  
62.2858

■ 59.8211, 56.8723,  
12.9022

■ 85.6412, 89.7093,  
79.4766

■ 57.3457, 52.8586,  
9.1880

■ 92.0698, 96.7925,  
99.4199

■ 55.2796, 49.2068,  
7.0179

95.0500, 100.0000,  
108.9000

■ 54.2469, 47.2739,  
6.2656

# Harmonies

## Analogous

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



79.7595, 71.3061, 42.2916



70.1691, 71.3061, 35.6563



60.7883, 71.3061, 37.9292

# Triad

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



70.1691, 71.3061, 35.6563



51.9248, 71.3061, 100.2786



83.8029, 71.3061, 114.8591

# Complementary

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



70.1691, 71.3061, 35.6563



46.1383, 46.8362, 101.2163

# 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.



75.2761, 71.3061, 138.3707



70.1691, 71.3061, 35.6563



57.0543, 71.3061, 128.6427

# Square

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



70.1691, 71.3061, 35.6563



50.8391, 71.3061, 71.0563



65.4346, 71.3061, 143.9415



88.1059, 71.3061, 84.6187

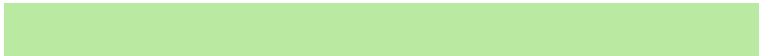


# Rectangle

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



70.1691, 71.3061, 35.6563



55.8398, 71.3061, 44.5290



65.4346, 71.3061, 143.9415



81.2986, 71.3061, 124.0811

# Sweetspot

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



70.1708, 71.3095, 35.6577



86.4475, 90.6114, 81.9354



59.5059, 44.0437, 50.4023



18.2146, 19.0710, 16.6586



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.



70.1708, 71.3095, 35.6577



66.6852, 66.7406, 27.0891



76.5553, 91.9867, 39.3124



18.9746, 19.9174, 18.9887



28.4921, 24.9955, 3.3229



2.8781, 2.6415, 0.3582



# Inverse Universe

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



46.1383, 46.8362, 101.2163



39.9406, 39.5336, 100.1334



41.6413, 33.7416, 98.9258



17.5424, 18.4565, 22.8878



11.5832, 8.0760, 50.3829



1.2272, 0.9852, 4.9387



# Previews

## White Background



This preview shows how the XYZ color 70.1691, 71.3061, 35.6563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

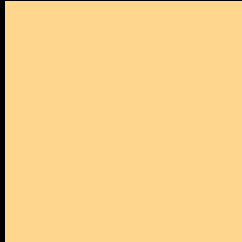
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.1691, 71.3061, 35.6563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

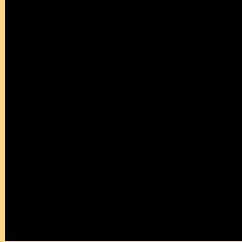
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.1691, 71.3061, 35.6563

## Background



This preview shows how black text looks on a background with the XYZ color 70.1691, 71.3061, 35.6563.



This preview shows how white text looks on a background with the XYZ color 70.1691, 71.3061,



# 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

70.1691, 71.3061, 35.6563

### Protanopia

66.2238, 71.5507, 36.7059

### Deuteranopia

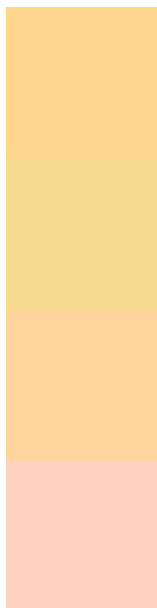
71.5750, 71.0636, 45.5415



## Tritanopia

76.4711, 71.0530, 77.3943

# Trichromacy



## Original Color

70.1691, 71.3061, 35.6563

## Protanomaly

67.6855, 71.5385, 36.2275

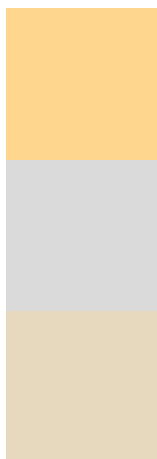
## Deuteranomaly

71.1201, 71.2828, 41.9088

## Tritanomaly

73.8010, 71.1590, 59.7145

# Monochromacy



## Original Color

70.1691, 71.3061, 35.6563

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.0621, 70.3323, 58.7561

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.1691, 71.3061, 35.6563 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 70.1691, 71.3061, 35.6563 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, 142) }
```



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

```
.border{ border-color:rgb(255, 214, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.1691, 71.3061, 35.6563 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, 142) }
```

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

```
.background{ background-color: rgb(255,  
214, 142) }
```

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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