

# Converting Colors

XYZ(85.1911, 79.2536, 37.8135)

Have a look what the booklet for  
XYZ(85.1911, 79.2536, 37.8135)  
contains.

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# Color

**XYZ(70.7287, 71.9362,  
37.3514)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD792
RGB	255, 215, 146
RGB Percent	100%, 84%, 57%
CMY	0.0000, 0.1568, 0.4274
CMYK	0.00, 0.16, 0.43, 0.00
HSL	38°, 100%, 79%
HSV	38°, 43%, 100%
XYZ	70.7287, 71.9362, 37.3514
YIQ	219.0940, 45.9890, -12.9790

# Conversions

## Conversions Part 2

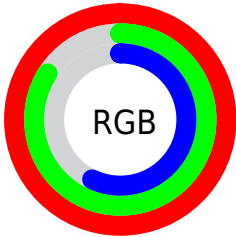
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 255, 146
Decimal	16766866
CIE <sub>Lab</sub>	87.94, 5.09, 39.20
CIE <sub>LCh</sub>	88, 39.526, 82.606
Yxy	71.9362, 0.3929, 0.3996
Android (android.graphics.Color)	4294956946 (0xFFFFD792)
YUV	219.0940, -36.0353, 31.4896
Hunter-Lab	84.8152, 0.4273, 33.2602

# Details

The XYZ color **70.7287, 71.9362, 37.3514** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.4623, 48.4470, 101.4571**, and the grayscale version is **67.6186, 71.1400, 77.4715**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **37.3561, 37.6855, 15.8948** is the 20% darker color. If you saturate the color by 10%, you get **66.6478, 66.6026, 27.2724**, and if you desaturate by 10%, it is **75.3919, 77.7260, 49.8086**.

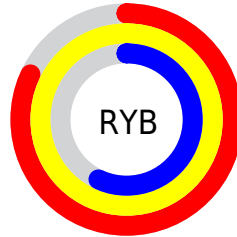
# Distribution



Red (100%)

Green (84%)

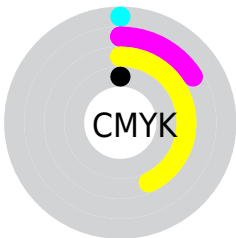
Blue (57%)



Red (82%)

Yellow (100%)

Blue (57%)

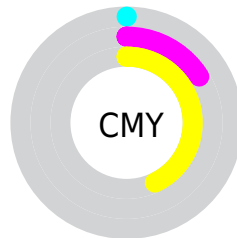


Cyan (0%)

Magenta (16%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7287, 71.9362, 37.3514 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 70.7287, 71.9362, 37.3514 by changing the saturation by 10% instead.




 70.7287, 71.9362,  
37.3514


 70.7287, 71.9362,  
37.3514


452.3311,  
467.3195, 350.0438

 52.4026, 53.1066,  
25.1818


 119.2680,  
121.9658, 72.3053

 37.5516, 37.8878,  
15.9923


 150.2118,  
153.9346, 95.9266

 25.8105, 25.8957,  
9.3644


186.0922,  
191.0519, 124.2022

 16.8139, 16.7456,  
4.8796

227.2747,  
233.7020, 157.5507

 10.1963, 10.0533,  
2.1193

274.1244,  
282.2695, 196.3905

 5.5926, 5.4343,  
0.6272

327.0068,

 2.6373, 2.5043,

337.1386, 241.1403

0.0000

386.2872,  
398.6938, 292.2185

■ 0.9650, 0.8788,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.7287, 71.9362,  
37.3514

■ 70.7287, 71.9362,  
37.3514

■ 66.6478, 66.6026,  
27.2724

■ 75.3919, 77.7260,  
49.8086

■ 63.1118, 61.6988,  
19.4097

■ 80.6611, 83.9772,  
64.7825

■ 60.0868, 57.2100,  
13.5880

■ 86.5654, 90.7074,  
82.4064

■ 57.5317, 53.1162,  
9.6033

■ 93.1297, 97.9299,  
102.8025

■ 55.3974, 49.3936, 95.0499, 99.9999,  
7.2082 108.9000

■ 54.0611, 46.9023,  
6.2037

# Harmonies

## Analogous

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



79.9628, 71.9362, 43.9438



70.7287, 71.9362, 37.3514



61.6501, 71.9362, 39.5610

# Triad

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



70.7287, 71.9362, 37.3514



52.9904, 71.9362, 99.9855



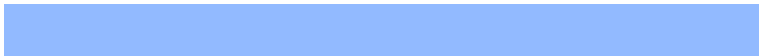
83.7822, 71.9362, 114.2057

# Complementary

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



70.7287, 71.9362, 37.3514



47.4623, 48.4470, 101.4571

# 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.



75.5681, 71.9362, 136.5766



70.7287, 71.9362, 37.3514



57.9613, 71.9362, 127.1399

# Square

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



70.7287, 71.9362, 37.3514



51.9511, 71.9362, 71.8439



66.0706, 71.9362, 141.7858



87.9357, 71.9362, 85.1874



# Rectangle

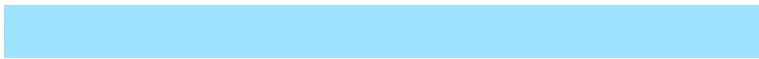
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7287, 71.9362, 37.3514



56.8395, 71.9362, 46.0369



66.0706, 71.9362, 141.7858



81.3703, 71.9362, 123.0015

# Sweetspot

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



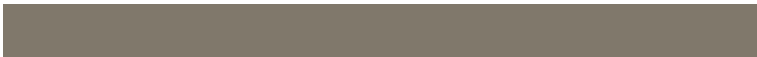
70.7305, 71.9396, 37.3529



86.4065, 90.5294, 81.9217



60.5730, 45.4399, 53.0335



18.2044, 19.0507, 16.6552



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.



70.7305, 71.9396, 37.3529



67.3198, 67.5020, 28.8664



77.6636, 92.5226, 40.9604



18.9681, 19.9043, 18.9865



28.3955, 24.8023, 3.2907



2.8691, 2.6235, 0.3552



# Inverse Universe

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



47.4623, 48.4470, 101.4571



41.3800, 41.3360, 100.4054



42.5715, 35.1206, 99.1426



17.5487, 18.4691, 22.8899



11.6325, 8.1746, 50.3993



1.2325, 0.9958, 4.9405



# Previews

## White Background



This preview shows how the XYZ color 70.7287, 71.9362, 37.3514 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

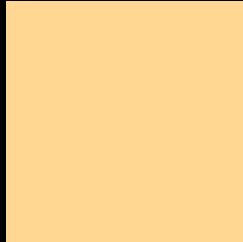
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7287, 71.9362, 37.3514 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 70.7287, 71.9362, 37.3514**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7287, 71.9362, 37.3514.



This preview shows how white text looks on a background with the XYZ color 70.7287, 71.9362,

37.3514.

# 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

70.7287, 71.9362, 37.3514

### Protanopia

66.7984, 72.2017, 38.4327

### Deuteranopia

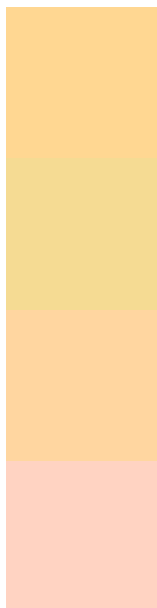
72.1021, 71.6757, 47.0804



## Tritanopia

77.0916, 72.0814, 78.2565

# Trichromacy



## Original Color

70.7287, 71.9362, 37.3514

## Protanomaly

68.2542, 72.1821, 37.9389

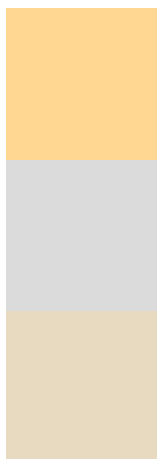
## Deuteranomaly

71.6317, 71.8912, 43.3587

## Tritanomaly

74.2719, 71.7436, 60.9723

# Monochromacy



## Original Color

70.7287, 71.9362, 37.3514

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

67.8645, 71.1044, 60.0168

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7287, 71.9362, 37.3514 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, 215, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 146)  
}
```

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, 215, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7287, 71.9362, 37.3514 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, 215, 146) }
```



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

```
.border{ border-color:rgb(255, 215, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7287, 71.9362, 37.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 146) }
```

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

```
.background{ background-color: rgb(255,  
215, 146) }
```

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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