

# Converting Colors

XYZ(69.5646, 71.5160, 31.0821)

Have a look what the booklet for  
XYZ(69.5646, 71.5160, 31.0821)  
contains.

<b>XYZ(69.5697, 71.4726, 31.2480)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(69.5697, 71.4726,  
31.2480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD782
RGB	255, 215, 130
RGB Percent	100%, 84%, 51%
CMY	0.0000, 0.1568, 0.4902
CMYK	0.00, 0.16, 0.49, 0.00
HSL	41°, 100%, 75%
HSV	41°, 49%, 100%
XYZ	69.5697, 71.4726, 31.2480
YIQ	217.2700, 51.1250, -17.9550

# Conversions

## Conversions Part 2

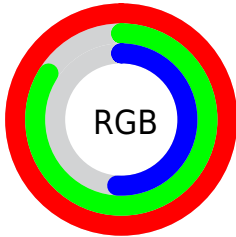
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 255, 130
Decimal	16766850
CIE Lab	87.71, 3.56, 46.90
CIE LCh	88, 47.031, 85.656
Yxy	71.4726, 0.4038, 0.4148
Android (android.graphics.Color)	4294956930 (0xFFFFD782)
YUV	217.2700, -43.0241, 33.0892
Hunter-Lab	84.5415, -1.0588, 37.2644

# Details

The XYZ color **69.5697, 71.4726, 31.2480** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.6301, 40.7138, 100.2718**, and the grayscale version is **66.4016, 69.8596, 76.0771**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **36.7109, 37.4274, 12.4971** is the 20% darker color. If you saturate the color by 10%, you get **66.0402, 66.8217, 22.6481**, and if you desaturate by 10%, it is **73.6304, 76.5072, 42.1187**.

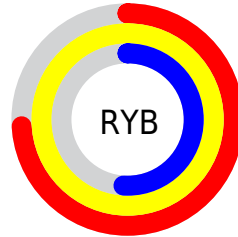
# Distribution



Red (100%)

Green (84%)

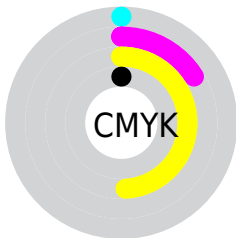
Blue (51%)



Red (74%)

Yellow (100%)

Blue (51%)

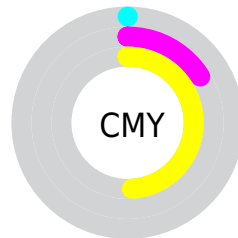


Cyan (0%)

Magenta (16%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5697, 71.4726, 31.2480 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 69.5697, 71.4726, 31.2480 by changing the saturation by 10% instead.



69.5697, 71.4726,  
31.2480

69.5697, 71.4726,  
31.2480

448.3277,  
465.7038, 322.0657

51.4541, 52.7280,  
20.5277

117.6245,  
121.3064, 62.7145

36.7927, 37.5856,  
12.5914

148.2945,  
153.1644, 84.2977

25.2199, 25.6613,  
7.0204

183.8800,  
190.1622, 110.3391

16.3706, 16.5704,  
3.3962

224.7464,  
232.6844, 141.2570

9.8793, 9.9287,  
1.3003

271.2590,  
281.1152, 177.4701

5.3806, 5.3517,  
0.0621

323.7832,

2.5093, 2.4551,

335.8392, 219.3969

0.0000

382.6843,  
397.2406, 267.4559

■ 0.9000, 0.8540,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.5697, 71.4726,  
31.2480

■ 69.5697, 71.4726,  
31.2480

■ 66.0402, 66.8217,  
22.6481

■ 73.6304, 76.5072,  
42.1187

■ 63.0032, 62.5285,  
16.1462

■ 78.2473, 81.9297,  
55.4073

■ 60.4227, 58.5788,  
11.5513

■ 83.4497, 87.7568,  
71.2535

■ 58.2537, 54.9522,  
8.6353

■ 89.2630, 94.0009,  
89.7851

■ 56.4308, 51.6199, 95.0499, 99.9999,  
7.0613 108.9000

■ 56.2626, 51.3054,  
6.9376

# Harmonies

## Analogous

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



80.7606, 71.4726, 37.3358



69.5697, 71.4726, 31.2480



59.0662, 71.4726, 34.5571

# Triad

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



69.5697, 71.4726, 31.2480



50.3809, 71.4726, 107.5488



87.2171, 71.4726, 117.8576

# Complementary

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



69.5697, 71.4726, 31.2480



41.6301, 40.7138, 100.2718

# 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.



77.6445, 71.4726, 147.3304



69.5697, 71.4726, 31.2480



56.5404, 71.4726, 140.3260

# Square

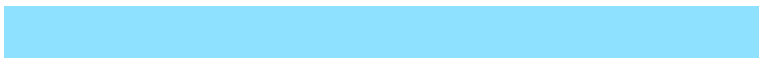
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5697, 71.4726, 31.2480



48.7182, 71.4726, 73.2621



66.3213, 71.4726, 156.5088



91.6322, 71.4726, 82.5663

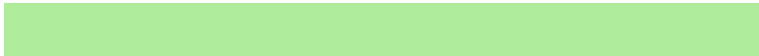


# Rectangle

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



69.5697, 71.4726, 31.2480



53.7243, 71.4726, 42.3090



66.3213, 71.4726, 156.5088



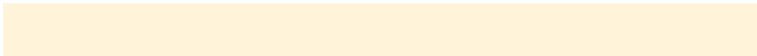
84.4481, 71.4726, 129.1141

# Sweetspot

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



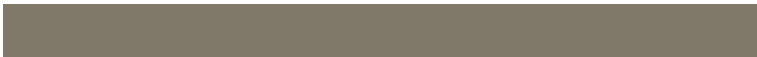
69.5714, 71.4760, 31.2494



85.7113, 90.2155, 78.3711



56.6374, 40.1917, 43.6355



18.0892, 19.0320, 15.9638



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.



69.5714, 71.4760, 31.2494



66.0465, 66.8302, 22.6621



73.7758, 90.6522, 34.7292



19.0425, 20.0531, 19.0113



29.5393, 27.0899, 3.6720



2.9749, 2.8352, 0.3904



# Inverse Universe

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



41.6301, 40.7138, 100.2718



35.1630, 32.8761, 99.1002



38.7649, 29.7495, 98.3065



17.4774, 18.3264, 22.8661



11.1105, 7.1305, 50.2253



1.1755, 0.8818, 4.9215



# Previews

## White Background



This preview shows how the XYZ color 69.5697, 71.4726, 31.2480 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 69.5697, 71.4726, 31.2480 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 69.5697, 71.4726, 31.2480

## Background



This preview shows how black text looks on a background with the XYZ color 69.5697, 71.4726, 31.2480.



This preview shows how white text looks on a background with the XYZ color 69.5697, 71.4726,



# 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

69.5697, 71.4726, 31.2480

### Protanopia

66.0337, 71.5531, 32.1606

### Deuteranopia

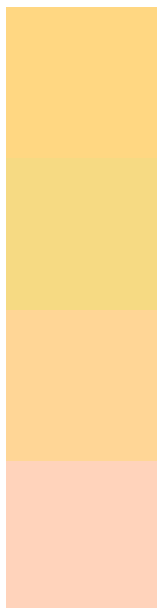
71.5558, 71.4571, 44.2036



## Tritanopia

76.7141, 71.5391, 77.4753

# Trichromacy



## Original Color

69.5697, 71.4726, 31.2480

## Protanomaly

67.1742, 71.3743, 31.7089

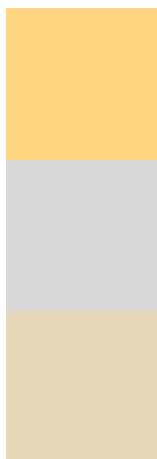
## Deuteranomaly

70.7916, 71.5551, 38.9346

## Tritanomaly

73.5039, 71.4364, 56.9282

# Monochromacy



## Original Color

69.5697, 71.4726, 31.2480

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

66.2678, 69.6034, 55.8411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.5697, 71.4726, 31.2480 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 69.5697, 71.4726, 31.2480 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, 130) }
```



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

```
.border{ border-color:rgb(255, 215, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.5697, 71.4726, 31.2480 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, 130) }
```

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

```
.background{ background-color: rgb(255,  
215, 130) }
```

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