

# Converting Colors

XYZ(70.8704, 73.5800, 33.2046)

Have a look what the booklet for  
XYZ(70.8704, 73.5800, 33.2046)  
contains.

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# Color

**XYZ(70.9447, 73.6723,  
33.4027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDB87
RGB	255, 219, 135
RGB Percent	100%, 86%, 53%
CMY	0.0000, 0.1412, 0.4706
CMYK	0.00, 0.14, 0.47, 0.00
HSL	42°, 100%, 76%
HSV	42°, 47%, 100%
XYZ	70.9447, 73.6723, 33.4027
YIQ	220.1880, 48.4200, -18.4920

# Conversions

## Conversions Part 2

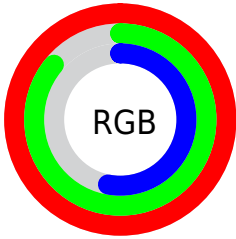
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 255, 135
Decimal	16767879
CIE <sub>Lab</sub>	88.77, 1.97, 45.75
CIE <sub>LCh</sub>	89, 45.789, 87.532
Yxy	73.6723, 0.3985, 0.4138
Android (android.graphics.Color)	4294957959 (0xFFFFDB87)
YUV	220.1880, -41.9977, 30.5301
Hunter-Lab	85.8326, -2.6683, 37.0094

# Details

The XYZ color **70.9447, 73.6723, 33.4027** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.6041, 41.4953, 100.3714**, and the grayscale version is **68.4209, 71.9841, 78.3907**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **37.6017, 38.9112, 13.7124** is the 20% darker color. If you saturate the color by 10%, you get **67.4106, 69.1415, 24.4030**, and if you desaturate by 10%, it is **75.0040, 78.5654, 44.7002**.

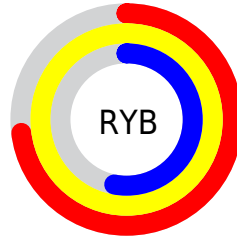
# Distribution



Red (100%)

Green (86%)

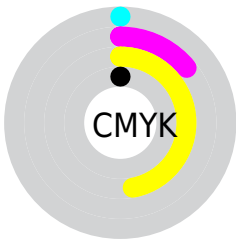
Blue (53%)



Red (73%)

Yellow (100%)

Blue (53%)

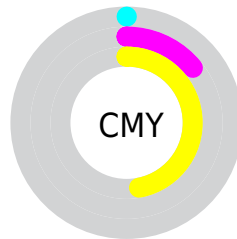


Cyan (0%)

Magenta (14%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9447, 73.6723, 33.4027 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 70.9447, 73.6723, 33.4027 by changing the saturation by 10% instead.





 70.9447, 73.6723,  
33.4027

 70.9447, 73.6723,  
33.4027


453.0749,  
473.3416, 332.1479


 52.5794, 54.5259,  
22.1615


 119.5739,  
124.4312, 66.1270

 37.6933, 39.0222,  
13.7762


 150.5686,  
156.8124, 88.4471

 25.9208, 26.7770,  
7.8282


 186.5038,  
194.3740, 115.2973

 16.8968, 17.4058,  
3.8990

227.7449,  
237.5004, 147.0961

 10.2558, 10.5243,  
1.5701

274.6571,  
286.5759, 184.2620

 5.6324, 5.7479,  
0.2694

327.6060,

 2.6614, 2.6924,

341.9851, 227.2136

0.0000

386.9568,  
404.1121, 276.3694

■ 0.9774, 0.9733,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.9447, 73.6723,  
33.4027

■ 70.9447, 73.6723,  
33.4027

■ 67.4106, 69.1415,  
24.4030

■ 75.0040, 78.5654,  
44.7002

■ 64.3640, 64.9477,  
17.5319

■ 79.6125, 83.8241,  
58.4394

■ 61.7700, 61.0777,  
12.6039

■ 84.7989, 89.4645,  
74.7578

■ 59.5858, 57.5124,  
9.3995

■ 90.5882, 95.4983,  
93.7812

■ 57.7567, 54.2278,  
7.6384

95.0499, 99.9999,  
108.9000

■ 57.2625, 53.3051,  
7.2709

# Harmonies

## Analogous

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



82.0917, 73.6723, 38.9721



70.9447, 73.6723, 33.4027



60.6318, 73.6723, 37.3708

# Triad

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



70.9447, 73.6723, 33.4027



52.7826, 73.6723, 111.8472



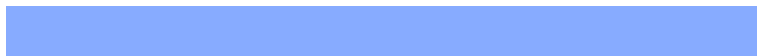
89.5752, 73.6723, 117.6234

# Complementary

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



70.9447, 73.6723, 33.4027



42.6041, 41.4953, 100.3714

# 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.



80.3378, 73.6723, 147.3814



70.9447, 73.6723, 33.4027



59.1997, 73.6723, 143.4752

# Square

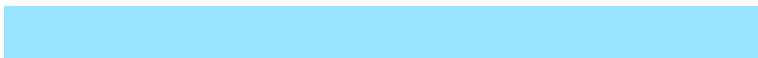
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9447, 73.6723, 33.4027



50.8258, 73.6723, 77.6179



69.1099, 73.6723, 157.9001



93.5323, 73.6723, 82.8727

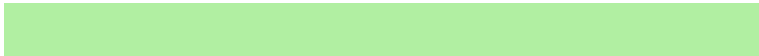


# Rectangle

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



70.9447, 73.6723, 33.4027



55.4571, 73.6723, 45.6760



69.1099, 73.6723, 157.9001



86.9399, 73.6723, 128.8560

# Sweetspot

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



70.9465, 73.6758, 33.4042



86.5043, 91.2674, 80.2822



57.2551, 41.5290, 43.5272



18.2567, 19.2619, 16.3437



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.



70.9465, 73.6758, 33.4042



67.7611, 69.6049, 25.2514



73.0884, 90.2581, 36.4920



19.0743, 20.1167, 19.0219



30.0579, 28.1271, 3.8449



3.0224, 2.9302, 0.4063



# Inverse Universe

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



42.6041, 41.4953, 100.3714



36.4844, 34.1315, 99.2728



41.0128, 31.9198, 98.6070



17.4471, 18.2658, 22.8560



10.9128, 6.7351, 50.1594



1.1533, 0.8372, 4.9141



# Previews

## White Background



This preview shows how the XYZ color 70.9447, 73.6723, 33.4027 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 70.9447, 73.6723, 33.4027 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 70.9447, 73.6723, 33.4027**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.9447, 73.6723, 33.4027.



This preview shows how white text looks on a background with the XYZ color 70.9447, 73.6723,



# 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

70.9447, 73.6723, 33.4027

### Protanopia

68.2113, 73.8146, 34.3194

### Deuteranopia

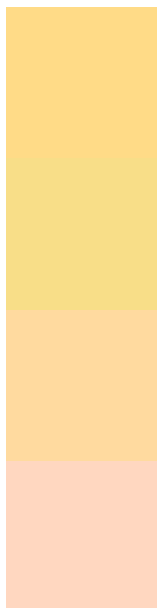
73.4992, 73.8643, 49.4131



## Tritanopia

78.2380, 73.7288, 80.6285

# Trichromacy



## Original Color

70.9447, 73.6723, 33.4027

## Protanomaly

69.2766, 73.9766, 33.9202

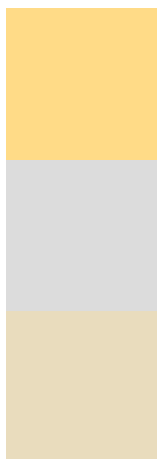
## Deuteranomaly

72.5694, 73.9060, 43.2414

## Tritanomaly

75.0549, 73.6666, 60.1324

# Monochromacy



## Original Color

70.9447, 73.6723, 33.4027

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

68.3828, 72.1842, 58.4729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.9447, 73.6723, 33.4027 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, 219, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 135)  
}
```

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, 219, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 70.9447, 73.6723, 33.4027 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, 219, 135) }
```



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

```
.border{ border-color:rgb(255, 219, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.9447, 73.6723, 33.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 135) }
```

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

```
.background{ background-color: rgb(255,  
219, 135) }
```

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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