

Converting Colors

XYZ(67.2247, 70.2452, 37.2143)

Have a look what the booklet for
XYZ(67.2247, 70.2452, 37.2143)
contains.

XYZ(67.1449, 70.0887, 37.1837)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.1449, 70.0887,
37.1837)**

Conversions

Conversions Part 1

Format	Color
Hex	F5D792
RGB	245, 215, 146
RGB Percent	96%, 84%, 57%
CMY	0.0392, 0.1568, 0.4274
CMYK	0.00, 0.12, 0.40, 0.04
HSL	42°, 83%, 77%
HSV	42°, 40%, 96%
XYZ	67.1449, 70.0887, 37.1837
YIQ	216.1040, 40.0290, -15.0990

Conversions

Conversions Part 2

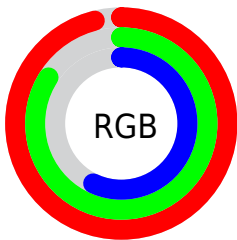
Format	Color
R _Y B	189, 245, 146
Decimal	16111506
CIE Lab	87.04, 1.17, 37.86
CIE LCh	87, 37.878, 88.230
Yxy	70.0887, 0.3850, 0.4018
Android (android.graphics.Color)	4294301586 (0xFFFF5D792)
YUV	216.1040, -34.5613, 25.3418
Hunter-Lab	83.7190, -3.3464, 32.2697

Details

The XYZ color **67.1449, 70.0887, 37.1837** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.8603, 43.7527, 92.5194**, and the grayscale version is **65.5517, 68.9655, 75.1034**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **35.0847, 36.5146, 15.7885** is the 20% darker color. If you saturate the color by 10%, you get **63.5927, 65.7142, 27.5835**, and if you desaturate by 10%, it is **71.1948, 74.8046, 48.9661**.

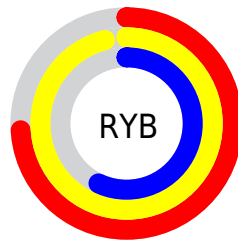
Distribution



Red (96%)

Green (84%)

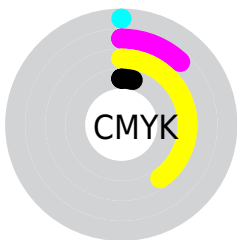
Blue (57%)



Red (74%)

Yellow (96%)

Blue (57%)

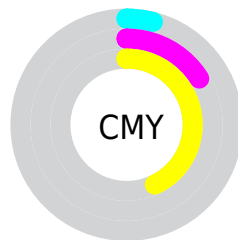


Cyan (0%)

Magenta (12%)

Yellow (40%)

Black (4%)



Cyan (4%)


Magenta (16%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1449, 70.0887, 37.1837 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 67.1449, 70.0887, 37.1837 by changing the saturation by 10% instead.


 67.1449, 70.0887,
37.1837

 67.1449, 70.0887,
37.1837


439.8847,
460.8614, 349.2978

 49.4735, 51.5989,
25.0529


 114.1767,
119.3352, 72.0447

 35.2113, 36.6854,
15.8971


 144.2678,
150.8607, 95.6119

 23.9930, 24.9640,
9.2978

179.2295,
187.5002, 123.8284

 15.4531, 16.0503,
4.8365

219.4272,
229.6381, 157.1126

 9.2264, 9.5597,
2.0946

265.2262,
277.6587, 195.8831

 4.9474, 5.1080,
0.6125

316.9919,

 2.2509, 2.3108,

331.9466, 240.5584

0.0000

375.0896,
392.8860, 291.5571

■ 0.7694, 0.7794,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.1449, 70.0887,
37.1837

■ 67.1449, 70.0887,
37.1837

■ 63.5927, 65.7142,
27.5835

■ 71.1948, 74.8046,
48.9661

■ 60.5054, 61.6587,
20.0222

■ 75.7623, 79.8639,
63.0532

■ 57.8544, 57.9111,
14.3459

■ 80.8723, 85.2810,
79.5634

■ 55.6046, 54.4559,
10.3769

■ 86.5465, 91.0661,
98.6057

■ 53.7149, 51.2744,
7.9031

■ 90.5543, 96.3288,
108.4283

■ 52.1760, 48.4522,
6.6022

■ 91.4661, 98.1524,
108.7323

Harmonies

Analogous

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



76.0000, 70.0887, 41.8830



67.1449, 70.0887, 37.1837



58.8758, 70.0887, 40.8807

Triad

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



67.1449, 70.0887, 37.1837



52.7005, 70.0887, 101.8112



82.1837, 70.0887, 105.0080

Complementary

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



67.1449, 70.0887, 37.1837



43.8603, 43.7527, 92.5194

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.



75.0090, 70.0887, 127.9063



67.1449, 70.0887, 37.1837



58.0403, 70.0887, 125.7913

Square

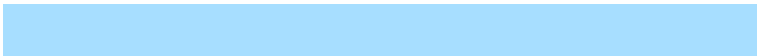
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.1449, 70.0887, 37.1837



50.9921, 70.0887, 74.8173



66.0923, 70.0887, 136.2408



85.1467, 70.0887, 77.8319

Rectangle

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



67.1449, 70.0887, 37.1837



54.6966, 70.0887, 48.1980



66.0923, 70.0887, 136.2408



80.1550, 70.0887, 113.6677

Sweetspot

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



67.1466, 70.0920, 37.1851



87.6223, 92.4104, 84.0246



55.9062, 43.1592, 47.1629



18.5933, 19.6104, 17.4573



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.



67.1466, 70.0920, 37.1851



70.4958, 73.0419, 32.4287



69.4721, 83.6866, 39.6866



17.4662, 18.4165, 17.4317



28.2359, 26.3573, 3.5993



2.5718, 2.4968, 0.3464

Inverse Universe

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



43.8603, 43.7527, 92.5194



41.9753, 40.8050, 100.2716



42.1018, 35.0597, 90.9342



15.9905, 16.7453, 20.9319



10.3124, 6.4186, 47.2334



0.9930, 0.7373, 4.1802

Previews

White Background



This preview shows how the XYZ color 67.1449, 70.0887, 37.1837 looks on a white background.

Color Contrast Check

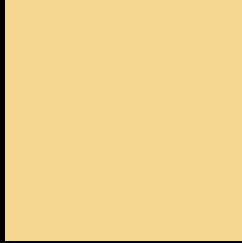
Large Text (above 18pt) WCAG AA × Fail

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 67.1449, 70.0887, 37.1837 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 67.1449, 70.0887, 37.1837

Background



This preview shows how black text looks on a background with the XYZ color 67.1449, 70.0887, 37.1837.



This preview shows how white text looks on a background with the XYZ color 67.1449, 70.0887,

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

67.1449, 70.0887, 37.1837

Protanopia

64.9299, 70.0823, 37.7088

Deuteranopia

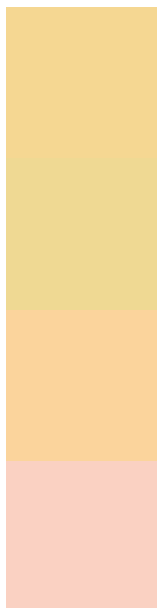
70.7196, 69.9264, 43.4880



Tritanopia

75.3905, 69.7657, 77.8992

Trichromacy



Original Color

67.1449, 70.0887, 37.1837

Protanomaly

65.6759, 70.0830, 37.6696

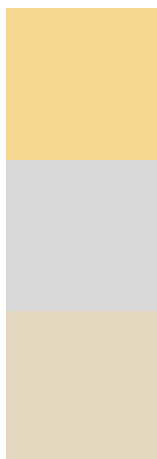
Deuteranomaly

69.3279, 69.9965, 41.3092

Tritanomaly

71.9624, 69.8200, 60.7227

Monochromacy



Original Color

67.1449, 70.0887, 37.1837

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.6384, 69.2042, 59.1884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1449, 70.0887, 37.1837 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(245, 215, 146)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 215, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 215, 146) }
```

Border

The CSS property to change the border of an element to XYZ 67.1449, 70.0887, 37.1837 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(245, 215, 146) }
```


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

```
.border{ border-color:rgb(245, 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(245, 215, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 215, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 215, 146);  
box-shadow:4px 4px 4px 4px rgb(245, 215,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1449, 70.0887, 37.1837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 215, 146) }
```

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

```
.background{ background-color: rgb(245,  
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](#).

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