

Converting Colors

XYZ(163.5707, 118.2384,
41.4876)

Have a look what the booklet for
XYZ(163.5707, 118.2384, 41.4876)
contains.

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Color

**XYZ(69.7226, 69.9239,
37.0160)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD392
RGB	255, 211, 146
RGB Percent	100%, 83%, 57%
CMY	0.0000, 0.1725, 0.4274
CMYK	0.00, 0.17, 0.43, 0.00
HSL	36°, 100%, 79%
HSV	36°, 43%, 100%
XYZ	69.7226, 69.9239, 37.0160
YIQ	216.7460, 47.0890, -10.8870

Conversions

Conversions Part 2

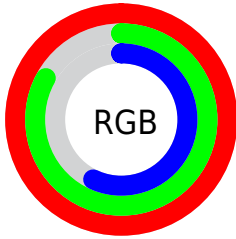
Format	Color
R _Y B	220, 255, 146
Decimal	16765842
CIE Lab	86.96, 7.15, 37.93
CIE LCh	87, 38.598, 79.332
Yxy	69.9239, 0.3947, 0.3958
Android (android.graphics.Color)	4294955922 (0xFFFFD392)
YUV	216.7460, -34.8778, 33.5488
Hunter-Lab	83.6205, 2.4970, 32.2887

Details

The XYZ color **69.7226, 69.9239, 37.0160** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.3168, 50.1560, 101.7421**, and the grayscale version is **65.9896, 69.4262, 75.6051**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **36.8423, 36.6579, 15.7235** is the 20% darker color. If you saturate the color by 10%, you get **65.4808, 64.2685, 26.8833**, and if you desaturate by 10%, it is **74.5740, 76.0903, 49.5359**.

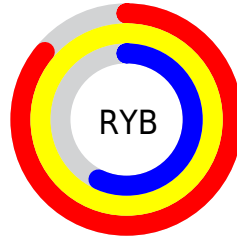
Distribution



Red (100%)

Green (83%)

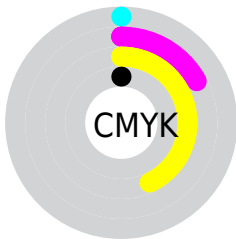
Blue (57%)



Red (86%)

Yellow (100%)

Blue (57%)

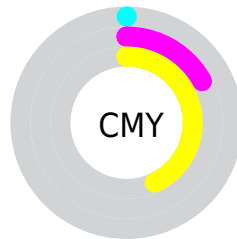


Cyan (0%)

Magenta (17%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7226, 69.9239, 37.0160 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 69.7226, 69.9239, 37.0160 by changing the saturation by 10% instead.


 69.7226, 69.9239,
37.0160

 69.7226, 69.9239,
37.0160


448.8570,
460.2828, 348.5506

 51.5792, 51.4645,
24.9240


 117.8415,
119.1002, 71.7840

 36.8927, 36.5784,
15.8019


 148.5477,
150.5859, 95.2971

 25.2977, 24.8812,
9.2313


184.1722,
187.1825, 123.4542

 16.4289, 15.9886,
4.7935

225.0804,
229.2744, 156.6741

 9.9209, 9.5161,
2.0700

271.6377,
277.2460, 195.3751

 5.4084, 5.0793,
0.5978

324.2093,

 2.5260, 2.2939,

331.4817, 239.9758

0.0000

383.1606,
392.3658, 290.8948

■ 0.9084, 0.7705,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.7226, 69.9239,
37.0160

■ 69.7226, 69.9239,
37.0160

■ 65.4808, 64.2685,
26.8833

■ 74.5740, 76.0903,
49.5359

■ 61.8107, 59.0963,
18.9759

■ 80.0598, 82.7745,
64.5820

■ 58.6773, 54.3910,
13.1182

■ 86.2096, 89.9956,
82.2877

■ 56.0390, 50.1305,
9.1057

■ 93.0491, 97.7684,
102.7756

■ 53.8455, 46.2897, 95.0499, 100.0000,
6.6909 108.9000

■ 52.4808, 43.7418,
5.6770

Harmonies

Analogous

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



78.4138, 69.9239, 44.3367



69.7226, 69.9239, 37.0160



60.8836, 69.9239, 38.2297

Triad

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



69.7226, 69.9239, 37.0160



51.4035, 69.9239, 93.7878



80.5005, 69.9239, 113.3019

Complementary

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



69.7226, 69.9239, 37.0160



48.3168, 50.1560, 101.7421

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.



72.3681, 69.9239, 133.2709



69.7226, 69.9239, 37.0160



55.7883, 69.9239, 120.3590

Square

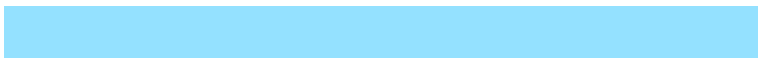
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7226, 69.9239, 37.0160



50.8343, 69.9239, 67.3069



63.3019, 69.9239, 136.1114



84.9999, 69.9239, 85.7036

Rectangle

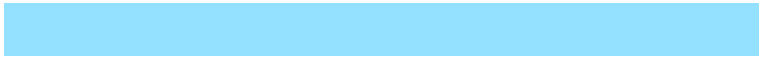
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7226, 69.9239, 37.0160



56.0643, 69.9239, 43.8198



63.3019, 69.9239, 136.1114



78.0686, 69.9239, 121.3717

Sweetspot

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



69.7243, 69.9272, 37.0174



86.0439, 89.8043, 81.8008



60.9692, 45.5984, 55.1196



18.1147, 18.8713, 16.6253



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.



69.7243, 69.9272, 37.0174



66.1788, 65.2201, 28.4860



78.9252, 93.1731, 41.0194



18.9103, 19.7887, 18.9673



27.5727, 23.1566, 3.0164



2.7919, 2.4691, 0.3294

Inverse Universe

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



48.3168, 50.1560, 101.7421



42.3094, 43.1947, 100.7152



41.8631, 34.7554, 99.1096



17.6048, 18.5813, 22.9086



12.0988, 9.1072, 50.5548



1.2818, 1.0942, 4.9569

Previews

White Background



This preview shows how the XYZ color 69.7226, 69.9239, 37.0160 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 69.7226, 69.9239, 37.0160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

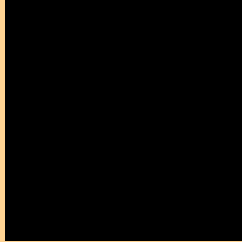
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7226, 69.9239, 37.0160

Background



This preview shows how black text looks on a background with the XYZ color 69.7226, 69.9239, 37.0160.



This preview shows how white text looks on a background with the XYZ color 69.7226, 69.9239,

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

69.7226, 69.9239, 37.0160

Protanopia

65.0883, 70.1456, 38.5427

Deuteranopia

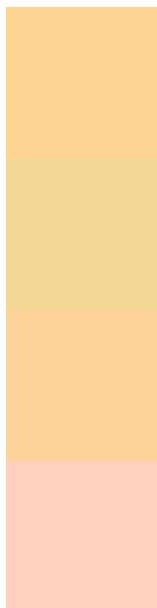
70.6318, 69.8913, 43.0254



Tritanopia

75.7262, 69.9846, 75.8468

Trichromacy



Original Color

69.7226, 69.9239, 37.0160

Protanomaly

66.6079, 69.7937, 37.9779

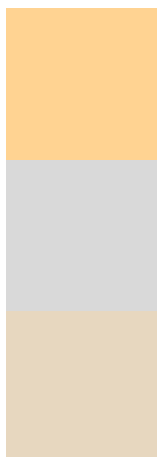
Deuteranomaly

70.2030, 69.7197, 40.7675

Tritanomaly

73.0673, 69.6914, 59.4699

Monochromacy



Original Color

69.7226, 69.9239, 37.0160

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.6594, 69.3514, 59.1630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7226, 69.9239, 37.0160 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, 211, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 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, 211, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 146) }
```

Border

The CSS property to change the border of an element to XYZ 69.7226, 69.9239, 37.0160 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, 211, 146) }
```


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

```
.border{ border-color:rgb(255, 211, 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, 211, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7226, 69.9239, 37.0160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 146) }
```

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

```
.background{ background-color: rgb(255,  
211, 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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