

Converting Colors

XYZ(69.9601, 70.4796, 36.8464)

Have a look what the booklet for
XYZ(69.9601, 70.4796, 36.8464)
contains.

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Color

**XYZ(69.8943, 70.3913,
36.6911)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD491
RGB	255, 212, 145
RGB Percent	100%, 83%, 57%
CMY	0.0000, 0.1686, 0.4314
CMYK	0.00, 0.17, 0.43, 0.00
HSL	37°, 100%, 78%
HSV	37°, 43%, 100%
XYZ	69.8943, 70.3913, 36.6911
YIQ	217.2190, 47.1350, -11.7210

Conversions

Conversions Part 2

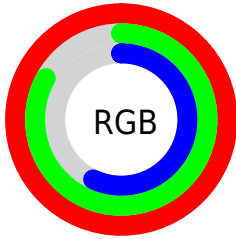
Format	Color
R _Y B	216, 255, 145
Decimal	16766097
CIE Lab	87.19, 6.53, 38.74
CIE LCh	87, 39.282, 80.433
Yxy	70.3913, 0.3949, 0.3977
Android (android.graphics.Color)	4294956177 (0xFFFFD491)
YUV	217.2190, -35.6040, 33.1339
Hunter-Lab	83.8995, 1.8791, 32.8009

Details

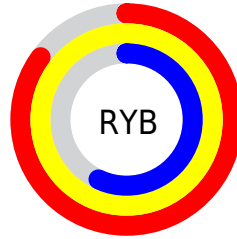
The XYZ color **69.8943, 70.3913, 36.6911** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.7096, 49.2043, 101.5904**, and the grayscale version is **66.3190, 69.7728, 75.9825**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **36.9676, 36.9798, 15.5453** is the 20% darker color. If you saturate the color by 10%, you get **65.7298, 64.8637, 26.6669**, and if you desaturate by 10%, it is **74.6574, 76.4097, 49.0934**.

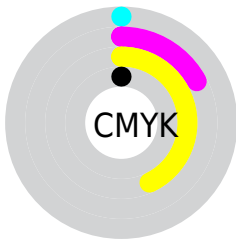
Distribution



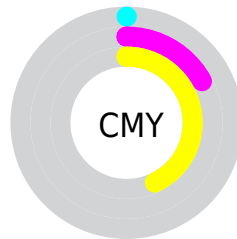
- Red (100%)
- Green (83%)
- Blue (57%)



- Red (85%)
- 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 69.8943, 70.3913, 36.6911 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 69.8943, 70.3913, 36.6911 by changing the saturation by 10% instead.

 69.8943, 70.3913,
36.6911

 69.8943, 70.3913,
36.6911


449.4510,
461.9227, 347.0996

 51.7197, 51.8456,
24.6745


 118.0851,
119.7666, 71.2784

 37.0050, 36.8820,
15.6179


 148.8320,
151.3650, 94.6863

 25.3851, 25.1162,
9.1028


184.5003,
188.0831, 122.7283

 16.4944, 16.1636,
4.7105

225.4554,
230.3053, 155.8230

 9.9678, 9.6400,
2.0227

272.0627,
278.4159, 194.3889

 5.4397, 5.1609,
0.5692

324.6874,

 2.5449, 2.3420,

332.7995, 238.8446

0.0000

383.6951,
393.8403, 289.6087

■ 0.9179, 0.7958,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.8943, 70.3913,
36.6911

■ 69.8943, 70.3913,
36.6911

■ 65.7298, 64.8637,
26.6669

■ 74.6574, 76.4097,
49.0934

■ 62.1261, 59.7995,
18.8582

■ 80.0437, 82.9251,
64.0132

■ 59.0484, 55.1829,
13.0887

■ 86.0825, 89.9561,
81.5841

■ 56.4551, 50.9925,
9.1527

■ 92.7995, 97.5170,
101.9289

■ 54.2958, 47.2035,
6.8006

95.0499, 100.0000,
108.9000

■ 53.0165, 44.8132,
5.8555

Harmonies

Analogous

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



78.8433, 70.3913, 43.7914



69.8943, 70.3913, 36.6911



60.9050, 70.3913, 38.2350

Triad

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



69.8943, 70.3913, 36.6911



51.6304, 70.3913, 95.7694



81.5215, 70.3913, 113.7430

Complementary

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



69.8943, 70.3913, 36.6911



47.7096, 49.2043, 101.5904

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.



73.2863, 70.3913, 134.7391



69.8943, 70.3913, 36.6911



56.2367, 70.3913, 122.8193

Square

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



69.8943, 70.3913, 36.6911



50.9029, 70.3913, 68.5128



64.0018, 70.3913, 138.3963



85.9514, 70.3913, 85.3947

Rectangle

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



69.8943, 70.3913, 36.6911



56.0539, 70.3913, 44.1323



64.0018, 70.3913, 138.3963



79.0728, 70.3913, 122.1444

Sweetspot

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



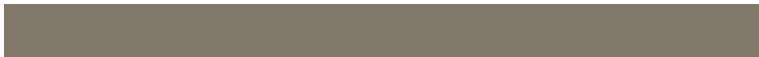
69.8960, 70.3946, 36.6925



86.1697, 90.0558, 81.8428



60.5511, 45.1856, 53.6751



18.1458, 18.9335, 16.6357



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.



69.8960, 70.3946, 36.6925



66.1744, 65.4685, 27.6915



78.1791, 92.7973, 40.5801



18.9303, 19.8288, 18.9739



27.8518, 23.7149, 3.1095



2.8182, 2.5217, 0.3382

Inverse Universe

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



47.7096, 49.2043, 101.5904



41.3128, 41.7469, 100.4883



41.8863, 34.5395, 99.0667



17.5853, 18.5422, 22.9021



11.9307, 8.7711, 50.4987



1.2642, 1.0590, 4.9511

Previews

White Background



This preview shows how the XYZ color 69.8943, 70.3913, 36.6911 looks on a white background.

Color Contrast Check

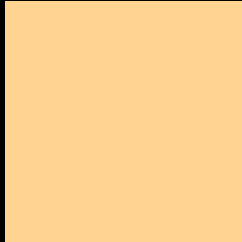
Large Text (above 18pt) WCAG AA × Fail

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 69.8943, 70.3913, 36.6911 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 69.8943, 70.3913, 36.6911

Background



This preview shows how black text looks on a background with the XYZ color 69.8943, 70.3913, 36.6911.



This preview shows how white text looks on a background with the XYZ color 69.8943, 70.3913,

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

69.8943, 70.3913, 36.6911

Protanopia

65.6019, 70.8057, 38.2262

Deuteranopia

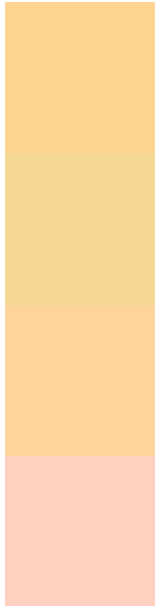
71.0559, 70.4572, 44.0370



Tritanopia

75.9662, 70.4646, 75.9268

Trichromacy



Original Color

69.8943, 70.3913, 36.6911

Protanomaly

67.1306, 70.4514, 37.6641

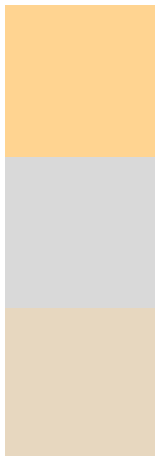
Deuteranomaly

70.5350, 70.2488, 41.2943

Tritanomaly

73.1998, 70.1333, 58.9693

Monochromacy



Original Color

69.8943, 70.3913, 36.6911

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 69.8943, 70.3913, 36.6911 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, 212, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 145)  
}
```

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, 212, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 145) }
```

Border

The CSS property to change the border of an element to XYZ 69.8943, 70.3913, 36.6911 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, 212, 145) }
```


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

```
.border{ border-color:rgb(255, 212, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8943, 70.3913, 36.6911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 145) }
```

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

```
.background{ background-color: rgb(255,  
212, 145) }
```

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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