

Converting Colors

XYZ(67.4715, 70.3694, 38.7946)

Have a look what the booklet for
XYZ(67.4715, 70.3694, 38.7946)
contains.

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Color

**XYZ(67.4616, 70.2154,
38.8515)**

Conversions

Conversions Part 1

Format	Color
Hex	F5D796
RGB	245, 215, 150
RGB Percent	96%, 84%, 59%
CMY	0.0392, 0.1568, 0.4118
CMYK	0.00, 0.12, 0.39, 0.04
HSL	41°, 83%, 77%
HSV	41°, 39%, 96%
XYZ	67.4616, 70.2154, 38.8515
YIQ	216.5600, 38.7450, -13.8550

Conversions

Conversions Part 2

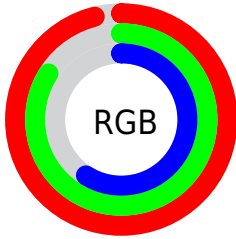
Format	Color
RYB	194, 245, 150
Decimal	16111510
CIELab	87.10, 1.60, 35.91
CIELCh	87, 35.943, 87.447
Yxy	70.2154, 0.3822, 0.3978
Android (android.graphics.Color)	4294301590 (0xFFFF5D796)
YUV	216.5600, -32.8141, 24.9419
Hunter-Lab	83.7946, -2.9334, 31.1663

Details

The XYZ color **67.4616, 70.2154, 38.8515** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.3798, 45.7175, 92.8185**, and the grayscale version is **65.8525, 69.2819, 75.4480**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **35.2689, 36.5882, 16.7586** is the 20% darker color. If you saturate the color by 10%, you get **63.7685, 65.6631, 28.8840**, and if you desaturate by 10%, it is **71.6638, 75.1255, 51.0251**.

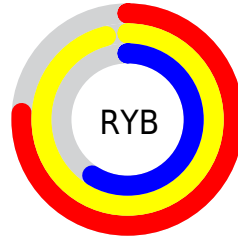
Distribution



Red (96%)

Green (84%)

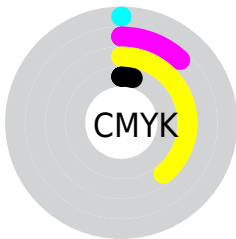
Blue (59%)



Red (76%)

Yellow (96%)

Blue (59%)

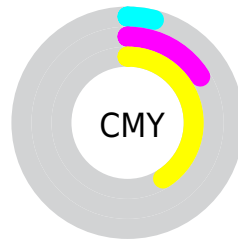


Cyan (0%)

Magenta (12%)

Yellow (39%)

Black (4%)



Cyan (4%)

Magenta (16%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4616, 70.2154, 38.8515 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 67.4616, 70.2154, 38.8515 by changing the saturation by 10% instead.

67.4616, 70.2154,
38.8515

67.4616, 70.2154,
38.8515

440.9928,
461.3059, 356.6658

49.7319, 51.7022,
26.3373

114.6277,
119.5159, 74.6292

35.4174, 36.7677,
16.8481

144.7949,
151.0719, 98.7299

24.1526, 25.0277,
9.9654

179.8386,
187.7443, 127.5297

15.5722, 16.0977,
5.2707

220.1242,
229.9175, 161.4472

9.3109, 9.5933,
2.3455

266.0171,
277.9759, 200.9011

5.0032, 5.1302,
0.7565

317.8826,

2.2839, 2.3238,

332.3038, 246.3098

0.0000

376.0860,
393.2857, 298.0918

■ 0.7864, 0.7863,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.4616, 70.2154,
38.8515

■ 67.4616, 70.2154,
38.8515

■ 63.7685, 65.6631,
28.8840

■ 71.6638, 75.1255,
51.0251

■ 60.5521, 61.4459,
20.9813

■ 76.3949, 80.3955,
65.5256

■ 57.7840, 57.5530,
14.9927

■ 81.6796, 86.0400,
82.4699

■ 55.4300, 53.9685,
10.7446

■ 87.5395, 92.0695,
101.9660

■ 53.4499, 50.6741,
8.0316

■ 91.0473, 97.3149,
108.5927

■ 51.7852, 47.6444,
6.5531

■ 91.4661, 98.1524,
108.7323

■ 51.5936, 47.2874,
6.4081

Harmonies

Analogous

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



75.8355, 70.2154, 43.6467



67.4616, 70.2154, 38.8515



59.5487, 70.2154, 42.2404

Triad

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



67.4616, 70.2154, 38.8515



53.3741, 70.2154, 99.8822



81.3381, 70.2154, 104.2199

Complementary

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



67.4616, 70.2154, 38.8515



45.3798, 45.7175, 92.8185

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.



74.4830, 70.2154, 125.4345



67.4616, 70.2154, 38.8515



58.3982, 70.2154, 122.5825

Square

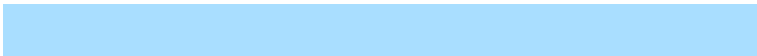
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.4616, 70.2154, 38.8515



51.8326, 70.2154, 74.4052



66.0189, 70.2154, 132.7705



84.2568, 70.2154, 78.5372

Rectangle

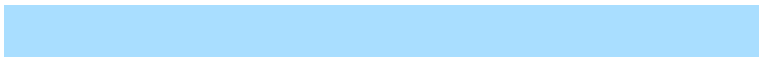
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.4616, 70.2154, 38.8515



55.5057, 70.2154, 49.1832



66.0189, 70.2154, 132.7705



79.3910, 70.2154, 112.2992

Sweetspot

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



67.4634, 70.2187, 38.8529



87.5039, 92.1735, 83.9851



56.8096, 44.5245, 48.8252



18.5654, 19.5545, 17.4480



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.



67.4634, 70.2187, 38.8529



70.4779, 72.7218, 33.2992



70.0204, 83.9326, 41.3652



17.4477, 18.3795, 17.4256



27.9244, 25.7343, 3.4955



2.5462, 2.4457, 0.3379

Inverse Universe

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



45.3798, 45.7175, 92.8185



43.0074, 42.2666, 100.4993



43.4130, 36.6671, 91.1753



16.0081, 16.7805, 20.9378



10.4312, 6.6561, 47.2730



1.0052, 0.7617, 4.1843

Previews

White Background



This preview shows how the XYZ color 67.4616, 70.2154, 38.8515 looks on a white background.

Color Contrast Check

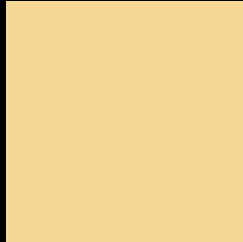
Large Text (above 18pt) WCAG AA × Fail

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 67.4616, 70.2154, 38.8515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

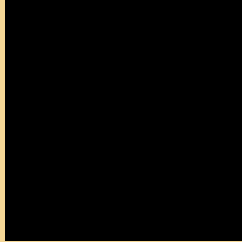
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4616, 70.2154, 38.8515

Background



This preview shows how black text looks on a background with the XYZ color 67.4616, 70.2154, 38.8515.



This preview shows how white text looks on a background with the XYZ color 67.4616, 70.2154,

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

67.4616, 70.2154, 38.8515

Protanopia

65.2494, 70.2100, 39.3910

Deuteranopia

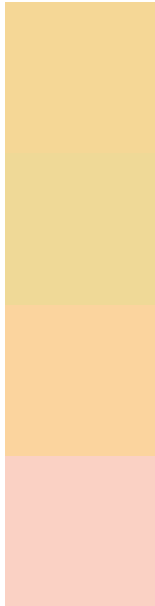
70.8975, 69.9975, 44.4245



Tritanopia

75.7641, 70.2992, 78.6831

Trichromacy



Original Color

67.4616, 70.2154, 38.8515

Protanomaly

65.9954, 70.2108, 39.3519

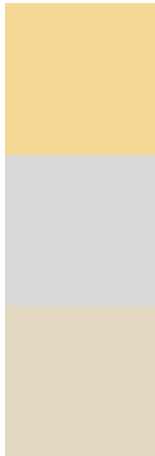
Deuteranomaly

69.4987, 70.0648, 42.2086

Tritanomaly

72.1886, 69.9104, 61.9139

Monochromacy



Original Color

67.4616, 70.2154, 38.8515

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.8601, 69.2929, 60.3557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4616, 70.2154, 38.8515 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(245, 215, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 215, 150) }
```

Border

The CSS property to change the border of an element to XYZ 67.4616, 70.2154, 38.8515 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, 150) }
```


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

```
.border{ border-color:rgb(245, 215, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 215, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 215, 150);  
box-shadow:4px 4px 4px 4px rgb(245, 215,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4616, 70.2154, 38.8515 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, 150) }
```

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

```
.background{ background-color: rgb(245,  
215, 150) }
```

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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