

Converting Colors

XYZ(70.4059, 67.4685, 49.0472)

Have a look what the booklet for XYZ(70.4059, 67.4685, 49.0472) contains.

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Color

**XYZ(70.3757, 67.4629,
48.8476)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCAD
RGB	255, 204, 173
RGB Percent	100%, 80%, 68%
CMY	0.0000, 0.2000, 0.3216
CMYK	0.00, 0.20, 0.32, 0.00
HSL	23°, 100%, 84%
HSV	23°, 32%, 100%
XYZ	70.3757, 67.4629, 48.8476
YIQ	215.7150, 40.3470, 1.1710

Conversions

Conversions Part 2

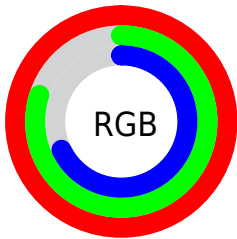
Format	Color
R _Y B	255, 223, 173
Decimal	16764077
CIE Lab	85.74, 13.82, 22.30
CIE LCh	86, 26.237, 58.221
Yxy	67.4629, 0.3770, 0.3614
Android (android.graphics.Color)	4294954157 (0xFFFFCCAD)
YUV	215.7150, -21.0585, 34.4529
Hunter-Lab	82.1358, 9.2049, 22.2343

Details

The XYZ color **70.3757, 67.4629, 48.8476** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.9383, 69.4131, 104.7413**, and the grayscale version is **65.1973, 68.5926, 74.6974**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **37.3835, 35.0635, 22.8868** is the 20% darker color. If you saturate the color by 10%, you get **64.5609, 59.4123, 35.8756**, and if you desaturate by 10%, it is **77.0487, 76.4757, 64.4304**.

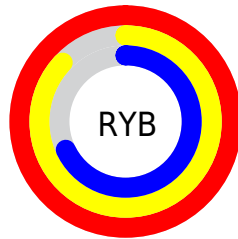
Distribution



Red (100%)

Green (80%)

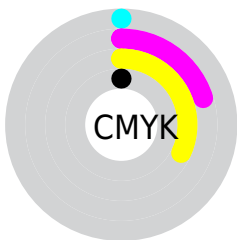
Blue (68%)



Red (100%)

Yellow (87%)

Blue (68%)

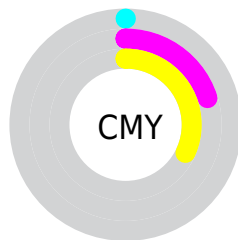


Cyan (0%)

Magenta (20%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3757, 67.4629, 48.8476 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 70.3757, 67.4629, 48.8476 by changing the saturation by 10% instead.


 70.3757, 67.4629,
48.8476

 70.3757, 67.4629,
48.8476


451.1139,
451.5907, 398.7473

 52.1136, 49.4609,
34.1339


 118.7677,
115.5834, 89.8437

 37.3203, 34.9852,
22.7183


149.6283,
146.4708, 116.9631

 25.6304, 23.6515,
14.1823

185.4192,
182.4220, 149.0549

 16.6785, 15.0753,
8.1073

226.5056,
223.8216, 186.5375

 10.0994, 8.8723,
4.0750

273.2529,
271.0538, 229.8295

 5.5277, 4.6580,
1.6666

326.0265,

 2.5980, 2.0480,

324.5032, 279.3494

0.3377

385.1917,
384.5540, 335.5158

■ 0.9449, 0.6351,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.3757, 67.4629,
48.8476

■ 70.3757, 67.4629,
48.8476

■ 64.5609, 59.4123,
35.8756

■ 77.0487, 76.4757,
64.4304

■ 59.5608, 52.2809,
25.3649

■ 84.6104, 86.4732,
82.7538

■ 55.3357, 46.0361,
17.1572

■ 93.0961, 97.4886,
103.9438

■ 51.8396, 40.6394,
11.0735

95.0500, 100.0000,
108.9000

■ 49.0211, 36.0488,
6.9080

■ 46.8198, 32.2176,
4.4128

■ 45.4612, 29.7025,
3.3371

Harmonies

Analogous

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



74.8065, 67.4629, 58.9457



70.3757, 67.4629, 48.8476



64.4795, 67.4629, 45.1903

Triad

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



70.3757, 67.4629, 48.8476



53.2921, 67.4629, 72.4370



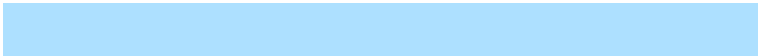
69.7192, 67.4629, 106.4947

Complementary

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



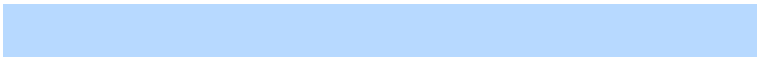
70.3757, 67.4629, 48.8476



61.9383, 69.4131, 104.7413

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.



63.7648, 67.4629, 111.5718



70.3757, 67.4629, 48.8476



54.5056, 67.4629, 90.1704

Square

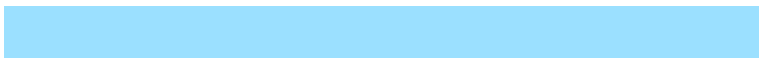
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3757, 67.4629, 48.8476



54.8269, 67.4629, 57.4282



58.2492, 67.4629, 105.1891



74.4112, 67.4629, 92.2179

Rectangle

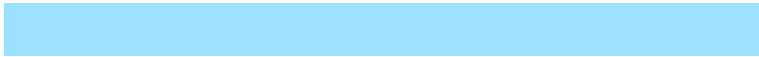
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3757, 67.4629, 48.8476



60.5897, 67.4629, 46.3846



58.2492, 67.4629, 105.1891



67.7879, 67.4629, 109.4229

Sweetspot

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



70.3774, 67.4660, 48.8490



86.3609, 88.7613, 87.0762



69.7655, 56.5804, 78.4310



18.2395, 18.6782, 18.0316



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.



70.3774, 67.4660, 48.8490



66.3066, 61.8530, 39.6971



81.1538, 89.0188, 52.4411



18.5722, 19.1125, 18.8546



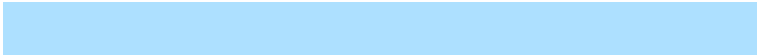
23.8865, 15.7843, 1.7877



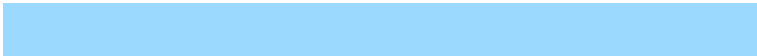
2.4269, 1.7392, 0.2078

Inverse Universe

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



61.9383, 69.4131, 104.7413



56.5885, 64.0734, 103.9926



52.4109, 50.3583, 101.5655



17.9440, 19.2597, 23.0217



16.0207, 16.9509, 51.8621



1.6652, 1.8611, 5.0847

Previews

White Background



This preview shows how the XYZ color 70.3757, 67.4629, 48.8476 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 70.3757, 67.4629, 48.8476 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 70.3757, 67.4629, 48.8476

Background



This preview shows how black text looks on a background with the XYZ color 70.3757, 67.4629, 48.8476.



This preview shows how white text looks on a background with the XYZ color 70.3757, 67.4629,

48.8476.

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

70.3757, 67.4629, 48.8476

Protanopia

63.7610, 67.6384, 51.8144

Deuteranopia

69.0385, 67.4837, 48.9221



Tritanopia

74.0319, 67.4236, 72.7305

Trichromacy



Original Color

70.3757, 67.4629, 48.8476

Protanomaly

65.8081, 67.2323, 50.5830

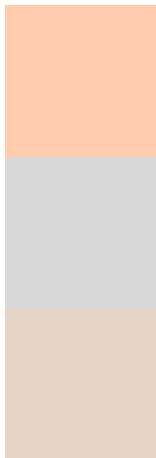
Deuteranomaly

69.5190, 67.3752, 48.8758

Tritanomaly

72.4354, 67.1568, 63.1776

Monochromacy



Original Color

70.3757, 67.4629, 48.8476

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.6019, 68.0801, 64.2741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3757, 67.4629, 48.8476 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, 204, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 173)  
}
```

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, 204, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 173) }
```

Border

The CSS property to change the border of an element to XYZ 70.3757, 67.4629, 48.8476 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, 204, 173) }
```


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

```
.border{ border-color:rgb(255, 204, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3757, 67.4629, 48.8476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 173) }
```

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

```
.background{ background-color: rgb(255,  
204, 173) }
```

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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