

Converting Colors

XYZ(71.1875, 68.1037, 48.3145)

Have a look what the booklet for
XYZ(71.1875, 68.1037, 48.3145)
contains.

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Color

**XYZ(70.5177, 67.9012,
48.4193)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDAC
RGB	255, 205, 172
RGB Percent	100%, 80%, 67%
CMY	0.0000, 0.1961, 0.3255
CMYK	0.00, 0.20, 0.33, 0.00
HSL	24°, 100%, 84%
HSV	24°, 33%, 100%
XYZ	70.5177, 67.9012, 48.4193
YIQ	216.1880, 40.3930, 0.3370

Conversions

Conversions Part 2

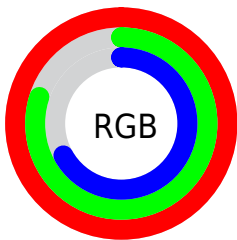
Format	Color
R _Y B	255, 227, 172
Decimal	16764332
CIE Lab	85.96, 13.17, 23.13
CIE LCh	86, 26.620, 60.337
Yxy	67.9012, 0.3774, 0.3634
Android (android.graphics.Color)	4294954412 (0xFFFFCDAC)
YUV	216.1880, -21.7847, 34.0381
Hunter-Lab	82.4022, 8.5520, 22.8429

Details

The XYZ color **70.5177, 67.9012, 48.4193** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.1837, 68.2309, 104.5529**, and the grayscale version is **65.5244, 68.9368, 75.0722**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **37.4827, 35.3596, 22.6188** is the 20% darker color. If you saturate the color by 10%, you get **64.8044, 60.0250, 35.5696**, and if you desaturate by 10%, it is **77.0651, 76.6931, 63.8667**.

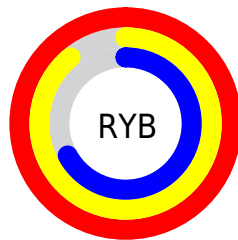
Distribution



Red (100%)

Green (80%)

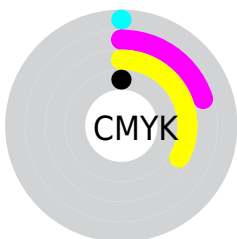
Blue (67%)



Red (100%)

Yellow (89%)

Blue (67%)

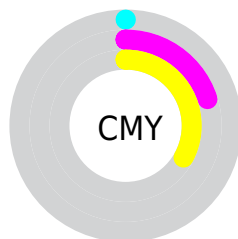


Cyan (0%)

Magenta (20%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5177, 67.9012, 48.4193 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 70.5177, 67.9012, 48.4193 by changing the saturation by 10% instead.


 70.5177, 67.9012,
48.4193

 70.5177, 67.9012,
48.4193


451.6038,
453.1459, 397.0083

 52.2298, 49.8174,
33.7967


 118.9690,
116.2108, 89.2004

 37.4133, 35.2683,
22.4614

149.8631,
147.2053, 116.1960

 25.7028, 23.8696,
13.9948


185.6900,
183.2722, 148.1530

 16.7329, 15.2369,
7.9783

226.8150,
224.7959, 185.4900

 10.1384, 8.9858,
3.9935

273.6036,
272.1607, 228.6255

 5.5538, 4.7319,
1.6218

326.4210,

 2.6138, 2.0909,

325.7510, 277.9780

0.3063

385.6326,
385.9513, 333.9661

■ 0.9530, 0.6595,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.5177, 67.9012,
48.4193

■ 70.5177, 67.9012,
48.4193

■ 64.8044, 60.0250,
35.5696

■ 77.0651, 76.6931,
63.8667

■ 59.8828, 53.0236,
25.1681

■ 84.4761, 86.4211,
82.0418

■ 55.7140, 46.8666,
17.0561

■ 92.7852, 97.1165,
103.0707

■ 52.2534, 41.5179,
11.0543

95.0500, 100.0000,
108.9000

■ 49.4504, 36.9382,
6.9561

■ 47.2457, 33.0833,
4.5118

■ 45.9328, 30.6456,
3.4943

Harmonies

Analogous

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



75.1981, 67.9012, 58.2329



70.5177, 67.9012, 48.4193



64.4691, 67.9012, 45.1757

Triad

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



70.5177, 67.9012, 48.4193



53.5067, 67.9012, 74.1307



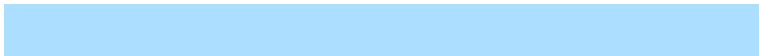
70.6446, 67.9012, 106.8743

Complementary

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



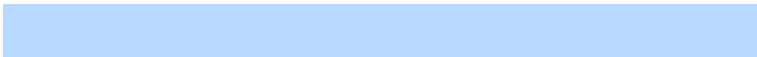
70.5177, 67.9012, 48.4193



61.1837, 68.2309, 104.5529

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.



64.6071, 67.9012, 112.8619



70.5177, 67.9012, 48.4193



54.9363, 67.9012, 92.2279

Square

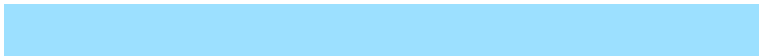
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5177, 67.9012, 48.4193



54.8743, 67.9012, 58.5254



58.9064, 67.9012, 107.1272



75.2746, 67.9012, 91.8317

Rectangle

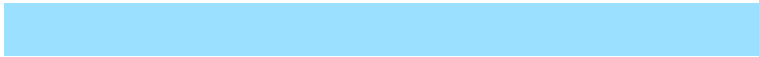
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.5177, 67.9012, 48.4193



60.5474, 67.9012, 46.6997



58.9064, 67.9012, 107.1272



68.7003, 67.9012, 110.1095

Sweetspot

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



70.5194, 67.9044, 48.4207



86.5071, 89.0537, 87.1250



69.3370, 56.1034, 77.1168



18.2748, 18.7487, 18.0434



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.



70.5194, 67.9044, 48.4207



66.7395, 62.7187, 39.8414



81.4349, 89.7353, 52.0592



18.6021, 19.1723, 18.8645



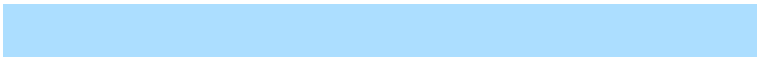
24.1368, 16.2848, 1.8711



2.4533, 1.7920, 0.2166

Inverse Universe

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



61.1837, 68.2309, 104.5529



56.0894, 63.0751, 103.8262



51.7271, 49.3178, 101.4007



17.9133, 19.1982, 23.0114



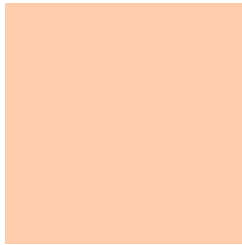
15.5849, 16.0794, 51.7168



1.6243, 1.7792, 5.0711

Previews

White Background



This preview shows how the XYZ color 70.5177, 67.9012, 48.4193 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 70.5177, 67.9012, 48.4193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

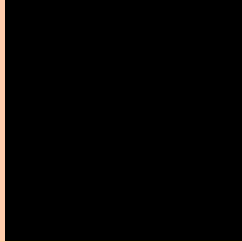
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5177, 67.9012, 48.4193

Background



This preview shows how black text looks on a background with the XYZ color 70.5177, 67.9012, 48.4193.



This preview shows how white text looks on a background with the XYZ color 70.5177, 67.9012,

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

70.5177, 67.9012, 48.4193

Protanopia

64.2312, 68.2692, 51.3869

Deuteranopia

69.5429, 68.1134, 48.5116



Tritanopia

74.3924, 67.9396, 73.4827

Trichromacy



Original Color

70.5177, 67.9012, 48.4193

Protanomaly

66.2920, 67.8608, 50.1619

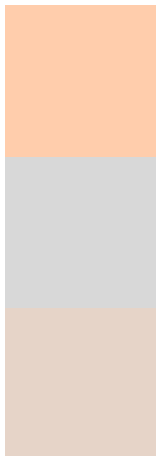
Deuteranomaly

69.6626, 67.8166, 48.4480

Tritanomaly

72.6693, 67.6246, 63.2556

Monochromacy



Original Color

70.5177, 67.9012, 48.4193

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 70.5177, 67.9012, 48.4193 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, 205, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 172)  
}
```

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, 205, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 172) }
```

Border

The CSS property to change the border of an element to XYZ 70.5177, 67.9012, 48.4193 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, 205, 172) }
```


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

```
.border{ border-color:rgb(255, 205, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5177, 67.9012, 48.4193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 172) }
```

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

```
.background{ background-color: rgb(255,  
205, 172) }
```

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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