

Converting Colors

XYZ(70.8757, 68.6770, 48.3542)

Have a look what the booklet for
XYZ(70.8757, 68.6770, 48.3542)
contains.

XYZ(70.9992, 68.8642, 48.5798)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.9992, 68.8642,
48.5798)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCFAC
RGB	255, 207, 172
RGB Percent	100%, 81%, 67%
CMY	0.0000, 0.1882, 0.3255
CMYK	0.00, 0.19, 0.33, 0.00
HSL	25°, 100%, 84%
HSV	25°, 33%, 100%
XYZ	70.9992, 68.8642, 48.5798
YIQ	217.3620, 39.8430, -0.7090

Conversions

Conversions Part 2

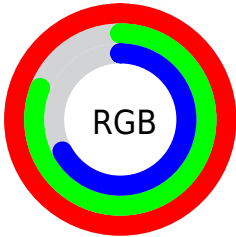
Format	Color
R_{YB}	255, 233, 172
Decimal	16764844
CIE _{Lab}	86.44, 12.13, 23.79
CIE _{LCh}	86, 26.706, 62.976
Yxy	68.8642, 0.3768, 0.3654
Android (android.graphics.Color)	4294954924 (0xFFFFCFAC)
YUV	217.3620, -22.3635, 33.0085
Hunter-Lab	82.9845, 7.4969, 23.3803

Details

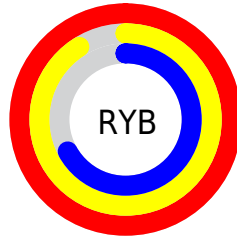
The XYZ color **70.9992, 68.8642, 48.5798** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.6556, 67.1748, 104.3769**, and the grayscale version is **66.3327, 69.7872, 75.9982**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **37.8074, 36.0088, 22.7270** is the 20% darker color. If you saturate the color by 10%, you get **65.3745, 61.1650, 35.7596**, and if you desaturate by 10%, it is **77.4310, 77.4250, 63.9887**.

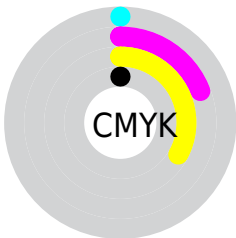
Distribution



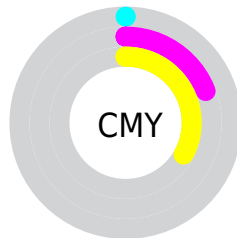
- Red (100%)
- Green (81%)
- Blue (67%)



- Red (100%)
- Yellow (91%)
- Blue (67%)



- Cyan (0%)
- Magenta (19%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9992, 68.8642, 48.5798 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 70.9992, 68.8642, 48.5798 by changing the saturation by 10% instead.


 70.9992, 68.8642,
48.5798

 70.9992, 68.8642,
48.5798

453.2625,
456.5519, 397.6605

 52.6241, 50.6011,
33.9230


 119.6511,
117.5876, 89.4416

 37.7290, 35.8913,
22.5576


150.6586,
148.8167, 116.4836

 25.9487, 24.3502,
14.0650

186.6076,
185.1366, 148.4912

 16.9177, 15.5936,
8.0266

227.8634,
226.9317, 185.8828

 10.2708, 9.2371,
4.0239

274.7915,
274.5864, 229.0770

 5.6425, 4.8961,
1.6385

327.7571,

 2.6675, 2.1864,

328.4850, 278.4923

0.3181

387.1257,
389.0121, 334.5473

■ 0.9805, 0.7126,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.9992, 68.8642,
48.5798

■ 70.9992, 68.8642,
48.5798

■ 65.3745, 61.1650,
35.7596

■ 77.4310, 77.4250,
63.9887

■ 60.5155, 54.2890,
25.3790

■ 84.6983, 86.8654,
82.1159

■ 56.3849, 48.2083,
17.2798

■ 92.8342, 97.2144,
103.0870

■ 52.9394, 42.8899,
11.2830

95.0500, 100.0000,
108.9000

■ 50.1300, 38.2974,
7.1826

■ 47.8991, 34.3901,
4.7296

■ 46.5549, 31.8898,
3.7016

Harmonies

Analogous

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



75.9306, 68.8642, 57.9501



70.9992, 68.8642, 48.5798



64.8386, 68.8642, 45.8850

Triad

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



70.9992, 68.8642, 48.5798



54.2949, 68.8642, 76.7613



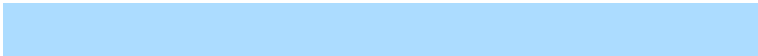
72.1328, 68.8642, 107.2875

Complementary

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



70.9992, 68.8642, 48.5798



60.6556, 67.1748, 104.3769

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.



66.0719, 68.8642, 114.3362



70.9992, 68.8642, 48.5798



55.9872, 68.8642, 95.0600

Square

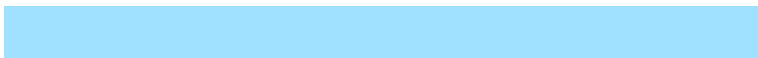
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9992, 68.8642, 48.5798



55.4334, 68.8642, 60.5646



60.2041, 68.8642, 109.5457



76.6134, 68.8642, 91.5218

Rectangle

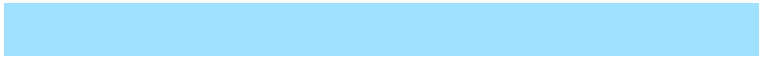
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9992, 68.8642, 48.5798



60.9260, 68.8642, 47.8236



60.2041, 68.8642, 109.5457



70.1996, 68.8642, 110.8581

Sweetspot

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



71.0009, 68.8674, 48.5812



86.6879, 89.4153, 87.1852



68.9665, 55.9552, 75.1658



18.3184, 18.8360, 18.0579



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.



71.0009, 68.8674, 48.5812



67.2811, 63.8020, 40.0220



82.2796, 91.4248, 52.3408



18.6390, 19.2462, 18.8768



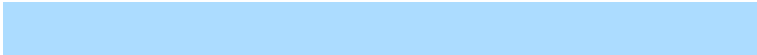
24.4660, 16.9433, 1.9809



2.4875, 1.8603, 0.2280

Inverse Universe

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



60.6556, 67.1748, 104.3769



55.4819, 61.8602, 103.6237



51.1674, 48.1983, 101.2141



17.8754, 19.1225, 22.9988



15.0713, 15.0522, 51.5456



1.5756, 1.6820, 5.0549

Previews

White Background



This preview shows how the XYZ color 70.9992, 68.8642, 48.5798 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 70.9992, 68.8642, 48.5798 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 70.9992, 68.8642, 48.5798

Background



This preview shows how black text looks on a background with the XYZ color 70.9992, 68.8642, 48.5798.



This preview shows how white text looks on a background with the XYZ color 70.9992, 68.8642,

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

70.9992, 68.8642, 48.5798

Protanopia

64.7054, 68.9043, 50.9638

Deuteranopia

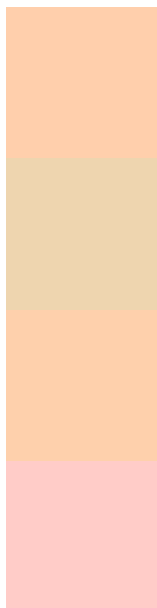
70.5103, 68.9730, 48.6265



Tritanopia

74.9906, 68.9297, 74.3181

Trichromacy



Original Color

70.9992, 68.8642, 48.5798

Protanomaly

66.7920, 68.8608, 50.3286

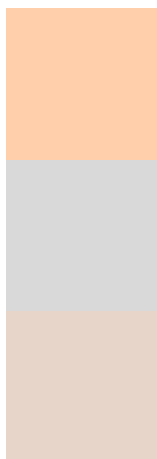
Deuteranomaly

70.8753, 69.1611, 48.6436

Tritanomaly

73.2582, 68.6159, 64.0266

Monochromacy



Original Color

70.9992, 68.8642, 48.5798

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.2919, 68.7945, 64.9903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9992, 68.8642, 48.5798 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, 207, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 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, 207, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 172) }
```

Border

The CSS property to change the border of an element to XYZ 70.9992, 68.8642, 48.5798 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, 207, 172) }
```


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

```
.border{ border-color:rgb(255, 207, 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, 207, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9992, 68.8642, 48.5798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 172) }
```

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

```
.background{ background-color: rgb(255,  
207, 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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