

Converting Colors

XYZ(69.8278, 69.1210, 50.8911)

Have a look what the booklet for
XYZ(69.8278, 69.1210, 50.8911)
contains.

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Color

**XYZ(69.9500, 69.3675,
50.7768)**

Conversions

Conversions Part 1

Format	Color
Hex	F9D2B0
RGB	249, 210, 176
RGB Percent	98%, 82%, 69%
CMY	0.0235, 0.1764, 0.3098
CMYK	0.00, 0.16, 0.29, 0.02
HSL	28°, 86%, 83%
HSV	28°, 29%, 98%
XYZ	69.9500, 69.3675, 50.7768
YIQ	217.7850, 34.1580, -2.3060

Conversions

Conversions Part 2

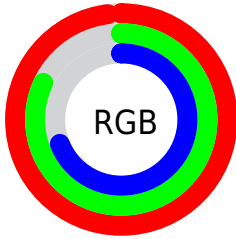
Format	Color
R _Y B	249, 240, 176
Decimal	16372400
CIE Lab	86.69, 8.82, 21.95
CIE LCh	87, 23.653, 68.119
Yxy	69.3675, 0.3680, 0.3649
Android (android.graphics.Color)	4294562480 (0xFFFF9D2B0)
YUV	217.7850, -20.6000, 27.3756
Hunter-Lab	83.2872, 4.1635, 22.1543

Details

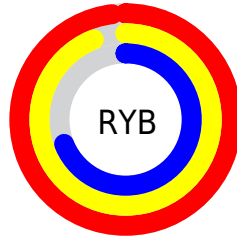
The XYZ color **69.9500, 69.3675, 50.7768** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.3032, 64.6687, 98.9795**, and the grayscale version is **66.6149, 70.0840, 76.3215**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **37.2018, 36.4135, 23.8066** is the 20% darker color. If you saturate the color by 10%, you get **64.5606, 62.1762, 37.9200**, and if you desaturate by 10%, it is **76.0679, 77.2919, 66.1074**.

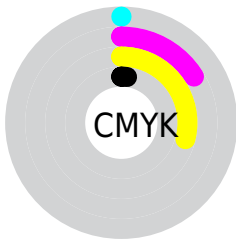
Distribution



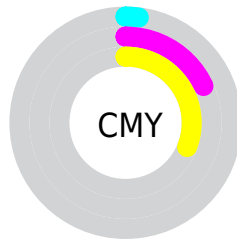
- Red (98%)
- Green (82%)
- Blue (69%)



- Red (98%)
- Yellow (94%)
- Blue (69%)



- Cyan (0%)
- Magenta (16%)
- Yellow (29%)
- Black (2%)



- Cyan (2%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9500, 69.3675, 50.7768 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 69.9500, 69.3675, 50.7768 by changing the saturation by 10% instead.

69.9500, 69.3675,
50.7768

69.9500, 69.3675,
50.7768

449.6436,
458.3261, 406.5177

51.7652, 51.0111,
35.6555

118.1641,
118.3063, 92.7329

37.0415, 36.2174,
23.8807

148.9241,
149.6575, 120.4048

25.4134, 24.6022,
15.0337

184.6066,
186.1090, 153.0972

16.5157, 15.7809,
8.6962

225.5770,
228.0453, 191.2289

9.9830, 9.3692,
4.4495

272.2005,
275.8508, 235.2182

5.4498, 4.9828,
1.8750

324.8425,

2.5510, 2.2372,

329.9098, 285.4838

0.4768

383.8684,
390.6068, 342.4441

■ 0.9210, 0.7401,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.9500, 69.3675,
50.7768

■ 69.9500, 69.3675,
50.7768

■ 64.5606, 62.1762,
37.9200

■ 76.0679, 77.2919,
66.1074

■ 59.8629, 55.6853,
27.4002

■ 82.9382, 85.9617,
84.0300

■ 55.8249, 49.8734,
19.0738

■ 90.5901, 95.4009,
104.6602

■ 52.4091, 44.7142,
12.7794

■ 92.8770, 98.8798,
108.7983

■ 49.5736, 40.1790,
8.3328

■ 47.2696, 36.2356,
5.5157

■ 45.4259, 32.8426,
3.9939

■ 45.3113, 32.6283,
3.9097

Harmonies

Analogous

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



74.6021, 69.3675, 58.3413



69.9500, 69.3675, 50.7768



64.4502, 69.3675, 49.3496

Triad

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



69.9500, 69.3675, 50.7768



56.0114, 69.3675, 79.8859



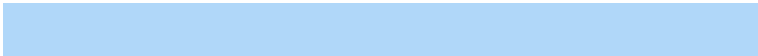
72.6743, 69.3675, 101.9364

Complementary

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



69.9500, 69.3675, 50.7768



59.3032, 64.6687, 98.9795

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.



67.4358, 69.3675, 109.6366



69.9500, 69.3675, 50.7768



57.9606, 69.3675, 95.7998

Square

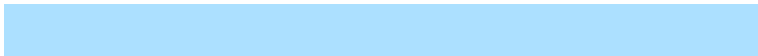
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9500, 69.3675, 50.7768



56.6014, 69.3675, 64.8000



62.0704, 69.3675, 107.2473



76.2349, 69.3675, 87.3823

Rectangle

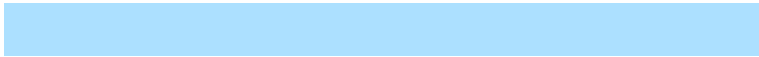
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9500, 69.3675, 50.7768



61.0744, 69.3675, 51.8527



62.0704, 69.3675, 107.2473



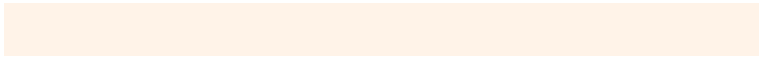
71.0400, 69.3675, 105.4981

Sweetspot

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



69.9518, 69.3707, 50.7782



87.7856, 91.0351, 89.3259



67.0069, 56.1568, 72.3758



18.5520, 19.1884, 18.4893



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.



69.9518, 69.3707, 50.7782



70.4916, 68.7872, 45.5182



79.6622, 88.7915, 54.0150



17.9111, 18.5581, 18.1004



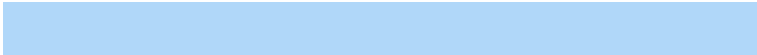
24.3935, 17.7437, 2.1392



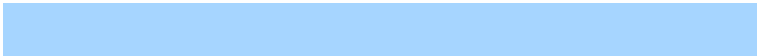
2.3642, 1.8533, 0.2331

Inverse Universe

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



59.3032, 64.6687, 98.9795



57.6249, 63.1027, 103.7506



51.2549, 48.5719, 96.2967



17.0509, 18.1786, 21.9954



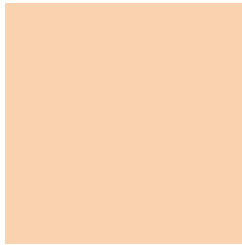
13.7870, 12.9295, 49.7425



1.3830, 1.4098, 4.6424

Previews

White Background



This preview shows how the XYZ color 69.9500, 69.3675, 50.7768 looks on a white background.

Color Contrast Check

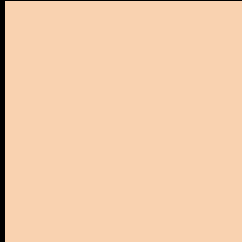
Large Text (above 18pt) WCAG AA × Fail

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 69.9500, 69.3675, 50.7768 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 69.9500, 69.3675, 50.7768

Background



This preview shows how black text looks on a background with the XYZ color 69.9500, 69.3675, 50.7768.



This preview shows how white text looks on a background with the XYZ color 69.9500, 69.3675,

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

69.9500, 69.3675, 50.7768

Protanopia

65.5827, 69.7034, 52.6453

Deuteranopia

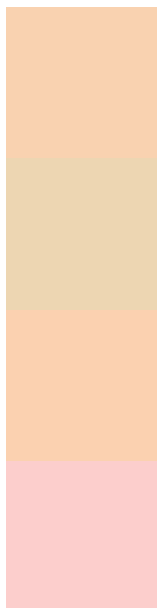
70.7818, 69.4310, 50.7452



Tritanopia

75.3842, 69.4239, 77.1371

Trichromacy



Original Color

69.9500, 69.3675, 50.7768

Protanomaly

67.0075, 69.3120, 51.9664

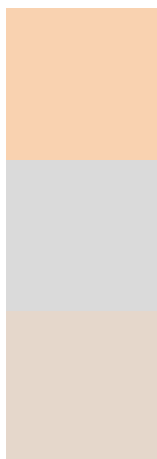
Deuteranomaly

70.4206, 69.2447, 50.7283

Tritanomaly

73.1153, 69.1977, 66.6296

Monochromacy



Original Color

69.9500, 69.3675, 50.7768

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.3930, 69.5707, 66.3764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9500, 69.3675, 50.7768 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(249, 210, 176)` looks like.

```
.text, #text, p{  
    color:rgb(249, 210, 176)  
}
```

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(249, 210, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 210, 176) }
```

Border

The CSS property to change the border of an element to XYZ 69.9500, 69.3675, 50.7768 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(249, 210, 176) }
```


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

```
.border{ border-color:rgb(249, 210, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 210, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 210, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 210, 176);  
box-shadow:4px 4px 4px 4px rgb(249, 210,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9500, 69.3675, 50.7768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 210, 176) }
```

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

```
.background{ background-color: rgb(249,  
210, 176) }
```

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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