

Converting Colors

XYZ(112.3718, 90.0078,
51.2183)

Have a look what the booklet for
XYZ(112.3718, 90.0078, 51.2183)
contains.

XYZ(71.0956, 68.9028, 49.0876)	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(71.0956, 68.9028,
49.0876)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCFAD
RGB	255, 207, 173
RGB Percent	100%, 81%, 68%
CMY	0.0000, 0.1882, 0.3216
CMYK	0.00, 0.19, 0.32, 0.00
HSL	25°, 100%, 84%
HSV	25°, 32%, 100%
XYZ	71.0956, 68.9028, 49.0876
YIQ	217.4760, 39.5220, -0.3980

Conversions

Conversions Part 2

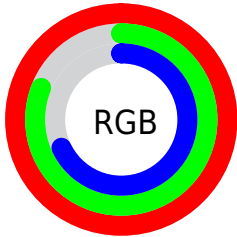
Format	Color
R _Y B	255, 231, 173
Decimal	16764845
CIE Lab	86.46, 12.26, 23.29
CIE LCh	86, 26.320, 62.246
Yxy	68.9028, 0.3760, 0.3644
Android (android.graphics.Color)	4294954925 (0xFFFFCFAD)
YUV	217.4760, -21.9267, 32.9085
Hunter-Lab	83.0077, 7.6207, 23.0435

Details

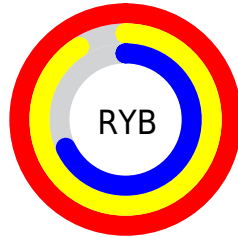
The XYZ color **71.0956, 68.9028, 49.0876** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.1391, 67.8148, 104.4749**, and the grayscale version is **66.4084, 69.8668, 76.0849**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **37.8074, 36.0088, 22.7270** is the 20% darker color. If you saturate the color by 10%, you get **65.4134, 61.1174, 36.1598**, and if you desaturate by 10%, it is **77.5941, 77.5667, 64.6122**.

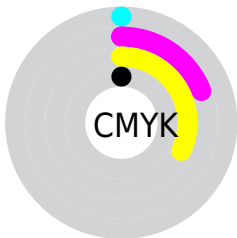
Distribution



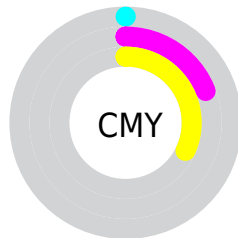
- Red (100%)
- Green (81%)
- Blue (68%)



- Red (100%)
- Yellow (91%)
- Blue (68%)



- Cyan (0%)
- Magenta (19%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.0956, 68.9028, 49.0876 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 71.0956, 68.9028, 49.0876 by changing the saturation by 10% instead.


 71.0956, 68.9028,
49.0876

 71.0956, 68.9028,
49.0876

453.5942,
456.6881, 399.7195

 52.7030, 50.6326,
34.3229


 119.7876,
117.6427, 90.2039

 37.7923, 35.9163,
22.8624

150.8178,
148.8812, 117.3925

 25.9980, 24.3695,
14.2876

186.7912,
185.2112, 149.5596

 16.9548, 15.6080,
8.1799


228.0732,
227.0172, 187.1235

 10.2974, 9.2472,
4.1209

275.0291,
274.6834, 230.5029

 5.6603, 4.9028,
1.6919

328.0244,

 2.6784, 2.1903,

328.5944, 280.1164

0.3552

387.4243,
389.1345, 336.3824

■ 0.9860, 0.7147,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 71.0956, 68.9028,
49.0876

■ 71.0956, 68.9028,
49.0876

■ 65.4134, 61.1174,
36.1598

■ 77.5941, 77.5667,
64.6122

■ 60.5060, 54.1713,
25.6800

■ 84.9375, 87.1274,
82.8628

■ 56.3356, 48.0360,
17.4905

■ 93.1592, 97.6148,
103.9649

■ 52.8588, 42.6777,
11.4132

95.0500, 100.0000,
108.9000

■ 50.0264, 38.0594,
7.2431

■ 47.7808, 34.1396,
4.7332

■ 46.3682, 31.5164,
3.6394

Harmonies

Analogous

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



75.9011, 68.9028, 58.5154



71.0956, 68.9028, 49.0876



65.0322, 68.9028, 46.2556

Triad

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



71.0956, 68.9028, 49.0876



54.4726, 68.9028, 76.3453



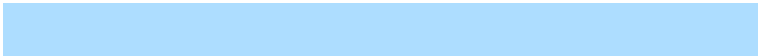
71.9385, 68.9028, 107.1105

Complementary

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



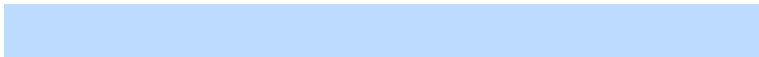
71.0956, 68.9028, 49.0876



61.1391, 67.8148, 104.4749

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.



65.9500, 68.9028, 113.7692



71.0956, 68.9028, 49.0876



56.0774, 68.9028, 94.3763

Square

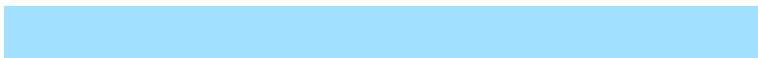
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.0956, 68.9028, 49.0876



55.6646, 68.9028, 60.4655



60.1872, 68.9028, 108.7855



76.4085, 68.9028, 91.7485

Rectangle

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



71.0956, 68.9028, 49.0876



61.1563, 68.9028, 48.0683



60.1872, 68.9028, 108.7855



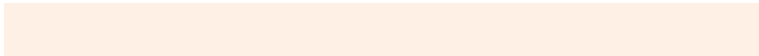
70.0238, 68.9028, 110.5396

Sweetspot

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



71.0974, 68.9060, 49.0890



86.6349, 89.3094, 87.1676



69.3956, 56.4325, 76.4833



18.3056, 18.8104, 18.0536



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.



71.0974, 68.9060, 49.0890



67.1218, 63.4832, 39.9689



81.9826, 90.6765, 52.7174



18.6282, 19.2245, 18.8732



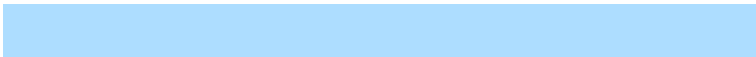
24.3673, 16.7459, 1.9480



2.4773, 1.8399, 0.2246

Inverse Universe

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



61.1391, 67.8148, 104.4749



55.6587, 62.2138, 103.6827



51.8488, 49.2342, 101.3781



17.8865, 19.1446, 23.0025



15.2189, 15.3473, 51.5948



1.5897, 1.7100, 5.0596

Previews

White Background



This preview shows how the XYZ color 71.0956, 68.9028, 49.0876 looks on a white background.

Color Contrast Check

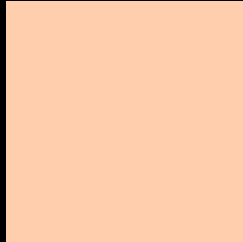
Large Text (above 18pt) WCAG AA × Fail

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 71.0956, 68.9028, 49.0876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

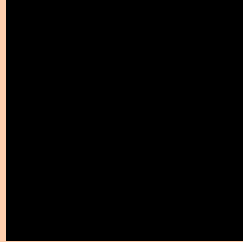
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.0956, 68.9028, 49.0876

Background



This preview shows how black text looks on a background with the XYZ color 71.0956, 68.9028, 49.0876.



This preview shows how white text looks on a background with the XYZ color 71.0956, 68.9028,

49.0876.

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

71.0956, 68.9028, 49.0876

Protanopia

64.8048, 68.9441, 51.4869

Deuteranopia

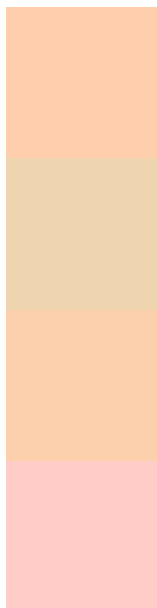
70.2436, 68.8243, 49.1174



Tritanopia

74.9906, 68.9297, 74.3181

Trichromacy



Original Color

71.0956, 68.9028, 49.0876

Protanomaly

66.8906, 68.9002, 50.8479

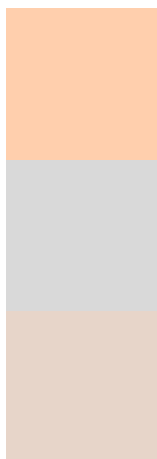
Deuteranomaly

70.6067, 69.0115, 49.1343

Tritanomaly

73.2582, 68.6159, 64.0266

Monochromacy



Original Color

71.0956, 68.9028, 49.0876

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 71.0956, 68.9028, 49.0876 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 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, 207, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 173) }
```

Border

The CSS property to change the border of an element to XYZ 71.0956, 68.9028, 49.0876 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, 173) }
```


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

```
.border{ border-color:rgb(255, 207, 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, 207, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0956, 68.9028, 49.0876 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, 173) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor