

Converting Colors

XYZ(91.1422, 78.4348, 51.6528)

Have a look what the booklet for
XYZ(91.1422, 78.4348, 51.6528)
contains.

XYZ(70.9078, 68.0572, 50.4734)	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(70.9078, 68.0572,
50.4734)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDB0
RGB	255, 205, 176
RGB Percent	100%, 80%, 69%
CMY	0.0000, 0.1961, 0.3098
CMYK	0.00, 0.20, 0.31, 0.00
HSL	22°, 100%, 85%
HSV	22°, 31%, 100%
XYZ	70.9078, 68.0572, 50.4734
YIQ	216.6440, 39.1090, 1.5810

Conversions

Conversions Part 2

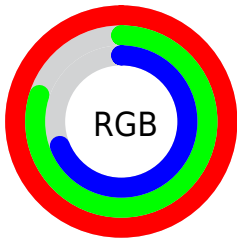
Format	Color
R _Y B	255, 222, 176
Decimal	16764336
CIE Lab	86.04, 13.67, 21.14
CIE LCh	86, 25.172, 57.106
Yxy	68.0572, 0.3743, 0.3593
Android (android.graphics.Color)	4294954416 (0xFFFFCDB0)
YUV	216.6440, -20.0375, 33.6382
Hunter-Lab	82.4968, 9.0553, 21.4728

Details

The XYZ color **70.9078, 68.0572, 50.4734** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.1500, 70.8405, 104.9530**, and the grayscale version is **65.8251, 69.2531, 75.4166**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **37.6677, 35.4336, 23.5930** is the 20% darker color. If you saturate the color by 10%, you get **64.9549, 59.8170, 37.1887**, and if you desaturate by 10%, it is **77.7362, 77.2896, 66.3895**.

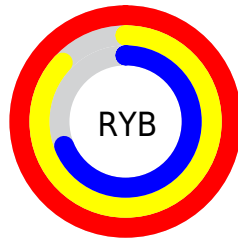
Distribution



Red (100%)

Green (80%)

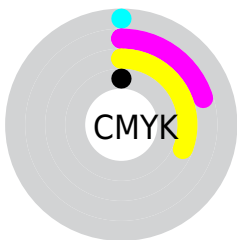
Blue (69%)



Red (100%)

Yellow (87%)

Blue (69%)

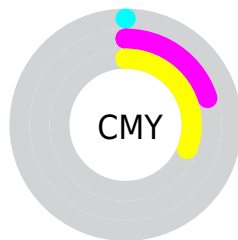


Cyan (0%)

Magenta (20%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9078, 68.0572, 50.4734 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 70.9078, 68.0572, 50.4734 by changing the saturation by 10% instead.


 70.9078, 68.0572,
50.4734

 70.9078, 68.0572,
50.4734


452.9479,
453.6987, 405.3023

 52.5492, 49.9443,
35.4159


 119.5217,
116.4340, 92.2794

 37.6691, 35.3691,
23.6973

150.5077,
147.4666, 119.8650

 25.9020, 23.9474,
14.8991


186.4335,
183.5746, 152.4636

 16.8826, 15.2946,
8.6028

227.6646,
225.1423, 190.4939

 10.2456, 9.0264,
4.3897

274.5662,
272.5542, 234.3744

 5.6256, 4.7584,
1.8415

327.5037,

 2.6573, 2.1062,

326.1946, 284.5236

0.4551

386.8425,
386.4480, 341.3601

■ 0.9752, 0.6681,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.9078, 68.0572,
50.4734

■ 70.9078, 68.0572,
50.4734

■ 64.9549, 59.8170,
37.1887

■ 77.7362, 77.2896,
66.3895

■ 59.8339, 52.5249,
26.3873

■ 85.4711, 87.5376,
85.0659

■ 55.5045, 46.1471,
17.9124

■ 94.1480, 98.8355,
106.6279

■ 51.9210, 40.6442,
11.5874

■ 95.0500, 100.0000,
108.9000

■ 49.0316, 35.9729,
7.2101

■ 46.7763, 32.0852,
4.5384

■ 45.2094, 29.1988,
3.2531

Harmonies

Analogous

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



75.0857, 68.0572, 60.5333



70.9078, 68.0572, 50.4734



65.2487, 68.0572, 46.6573

Triad

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



70.9078, 68.0572, 50.4734



54.2155, 68.0572, 72.5084



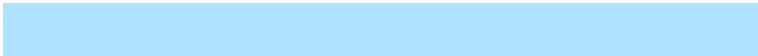
69.8803, 68.0572, 106.1783

Complementary

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



70.9078, 68.0572, 50.4734



63.1500, 70.8405, 104.9530

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.



64.1272, 68.0572, 110.6281



70.9078, 68.0572, 50.4734



55.2944, 68.0572, 89.5621

Square

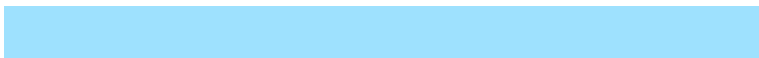
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9078, 68.0572, 50.4734



55.8010, 68.0572, 58.1351



58.8398, 68.0572, 104.1504



74.4681, 68.0572, 92.7552

Rectangle

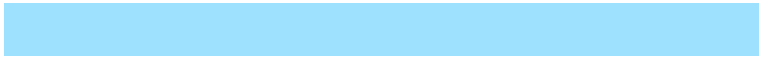
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9078, 68.0572, 50.4734



61.4739, 68.0572, 47.6685



58.8398, 68.0572, 104.1504



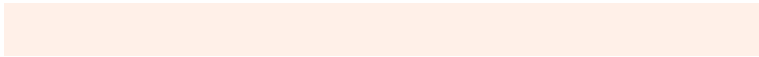
68.0087, 68.0572, 108.8525

Sweetspot

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



70.9095, 68.0603, 50.4748



87.1131, 89.6900, 89.1017



70.4978, 57.8042, 79.4176



18.3867, 18.8579, 18.4342



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.



70.9095, 68.0603, 50.4748



67.2226, 62.9817, 42.1703



81.5680, 89.3774, 54.0276



18.5555, 19.0791, 18.8490



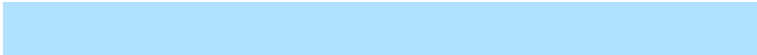
23.7526, 15.5165, 1.7431



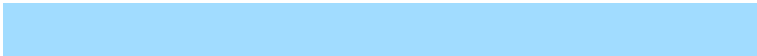
2.4127, 1.7107, 0.2030

Inverse Universe

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



63.1500, 70.8405, 104.9530



58.3650, 66.1358, 104.2971



53.6267, 51.7939, 101.7785



17.9613, 19.2943, 23.0275



16.2727, 17.4550, 51.9461



1.6887, 1.9082, 5.0926

Previews

White Background



This preview shows how the XYZ color 70.9078, 68.0572, 50.4734 looks on a white background.

Color Contrast Check

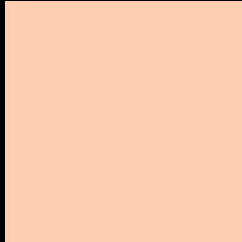
Large Text (above 18pt) WCAG AA × Fail

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 70.9078, 68.0572, 50.4734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

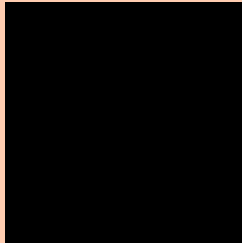
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9078, 68.0572, 50.4734

Background



This preview shows how black text looks on a background with the XYZ color 70.9078, 68.0572, 50.4734.



This preview shows how white text looks on a background with the XYZ color 70.9078, 68.0572,

50.4734.

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

70.9078, 68.0572, 50.4734

Protanopia

64.3195, 68.2680, 53.5031

Deuteranopia

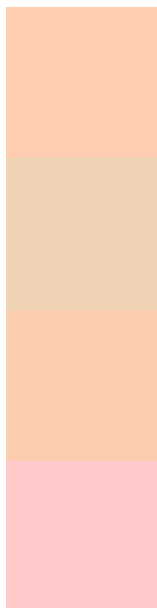
69.5736, 68.0842, 50.5489



Tritanopia

74.3924, 67.9396, 73.4827

Trichromacy



Original Color

70.9078, 68.0572, 50.4734

Protanomaly

66.3560, 67.8477, 52.2464

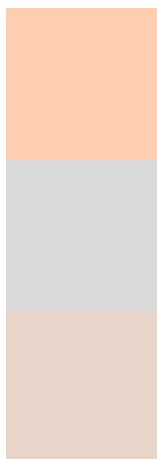
Deuteranomaly

70.0527, 67.9726, 50.5022

Tritanomaly

72.9031, 67.7181, 64.4868

Monochromacy



Original Color

70.9078, 68.0572, 50.4734

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.4099, 68.8417, 65.6120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9078, 68.0572, 50.4734 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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(255, 205, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 176) }
```

Border

The CSS property to change the border of an element to XYZ 70.9078, 68.0572, 50.4734 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, 176) }
```


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

```
.border{ border-color:rgb(255, 205, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9078, 68.0572, 50.4734 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, 176) }
```

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

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