

Converting Colors

XYZ(70.3680, 66.5780, 51.5252)

Have a look what the booklet for
XYZ(70.3680, 66.5780, 51.5252)
contains.

XYZ(70.4972, 66.7557, 51.8174)	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(70.4972, 66.7557,
51.8174)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCAB3
RGB	255, 202, 179
RGB Percent	100%, 79%, 70%
CMY	0.0000, 0.2078, 0.2980
CMYK	0.00, 0.21, 0.30, 0.00
HSL	18°, 100%, 85%
HSV	18°, 30%, 100%
XYZ	70.4972, 66.7557, 51.8174
YIQ	215.2250, 38.9710, 4.0830

Conversions

Conversions Part 2

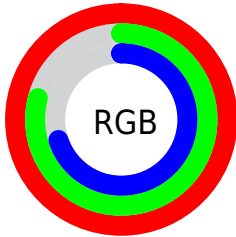
Format	Color
R _Y B	255, 212, 179
Decimal	16763571
CIE Lab	85.38, 15.62, 18.65
CIE LCh	85, 24.321, 50.055
Yxy	66.7557, 0.3729, 0.3531
Android (android.graphics.Color)	4294953651 (0xFFFFCAB3)
YUV	215.2250, -17.8589, 34.8827
Hunter-Lab	81.7042, 11.0337, 19.5907

Details

The XYZ color **70.4972, 66.7557, 51.8174** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **65.4961, 74.5145, 105.5385**, and the grayscale version is **64.8439, 68.2208, 74.2925**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **37.3818, 34.5565, 24.4385** is the 20% darker color. If you saturate the color by 10%, you get **64.2186, 57.9511, 38.1557**, and if you desaturate by 10%, it is **77.7368, 76.7187, 68.1537**.

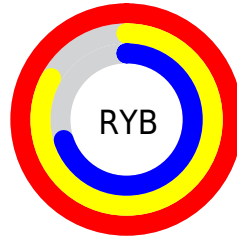
Distribution



Red (100%)

Green (79%)

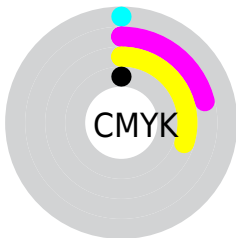
Blue (70%)



Red (100%)

Yellow (83%)

Blue (70%)

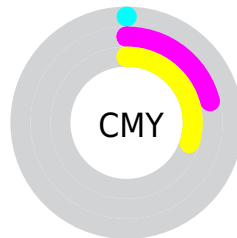


Cyan (0%)

Magenta (21%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4972, 66.7557, 51.8174 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 70.4972, 66.7557, 51.8174 by changing the saturation by 10% instead.


 70.4972, 66.7557,
51.8174

 70.4972, 66.7557,
51.8174

451.5331,
449.0747, 410.6681

 52.2130, 48.8861,
36.4783


 118.9399,
114.5703, 94.2857

 37.3999, 34.5292,
24.5112

149.8292,
145.2841, 122.2520

 25.6923, 23.3004,
15.4976

185.6509,
181.0481, 155.2645

 16.7251, 14.8155,
9.0188

226.7704,
222.2466, 193.7417

 10.1328, 8.6900,
4.6565

273.5530,
269.2642, 238.1021

 5.5500, 4.5395,
1.9920

326.3640,

 2.6115, 1.9797,

322.4851, 288.7643

0.5503

385.5690,
382.2938, 346.1468

■ 0.9518, 0.5956,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.4972, 66.7557,
51.8174

■ 70.4972, 66.7557,
51.8174

■ 64.2186, 57.9511,
38.1557

■ 77.7368, 76.7187,
68.1537

■ 58.8535, 50.2527,
27.0205

■ 85.9723, 87.8715,
87.2938

■ 54.3574, 43.6176,
18.2553

95.0500, 100.0000,
108.9000

■ 50.6800, 37.9967,
11.6844

■ 47.7650, 33.3362,
7.1073

■ 45.5475, 29.5766,
4.2856

■ 43.9344, 26.6445,
2.8417

■ 43.9071, 26.5941,
2.8190

Harmonies

Analogous

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



73.9304, 66.7557, 62.7694



70.4972, 66.7557, 51.8174



65.2965, 66.7557, 46.7092

Triad

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



70.4972, 66.7557, 51.8174



53.5759, 66.7557, 67.5708



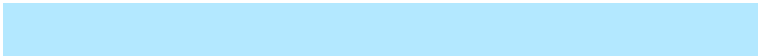
67.1521, 66.7557, 105.0743

Complementary

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



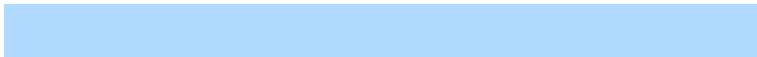
70.4972, 66.7557, 51.8174



65.4961, 74.5145, 105.5385

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.



61.6373, 66.7557, 106.8536



70.4972, 66.7557, 51.8174



54.0088, 66.7557, 83.5948

Square

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



70.4972, 66.7557, 51.8174



55.6687, 66.7557, 54.8938



56.8875, 66.7557, 98.5167



71.9230, 66.7557, 93.9580

Rectangle

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



70.4972, 66.7557, 51.8174



61.6174, 66.7557, 46.7168



56.8875, 66.7557, 98.5167



65.3171, 66.7557, 106.8404

Sweetspot

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



70.4989, 66.7588, 51.8188



86.6782, 88.8203, 88.9568



71.9544, 59.3385, 84.1544



18.2801, 18.6446, 18.3987



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.



70.4989, 66.7588, 51.8188



66.4969, 61.1678, 43.0462



80.4782, 86.7174, 55.1452



18.4576, 18.8834, 18.8164



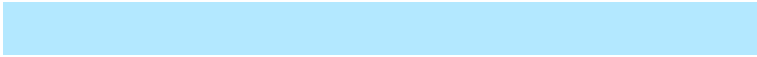
23.0564, 14.1240, 1.5110



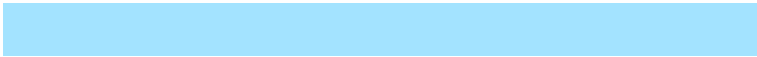
2.3361, 1.5575, 0.1775

Inverse Universe

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



65.4961, 74.5145, 105.5385



60.7224, 70.0820, 104.9345



55.9774, 55.4772, 102.3656



18.0635, 19.4987, 23.0615



17.8682, 20.6461, 52.4779



1.8360, 2.2026, 5.1417

Previews

White Background



This preview shows how the XYZ color 70.4972, 66.7557, 51.8174 looks on a white background.

Color Contrast Check

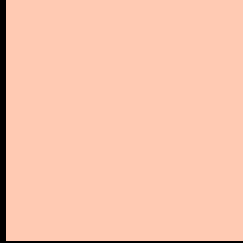
Large Text (above 18pt) WCAG AA × Fail

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 70.4972, 66.7557, 51.8174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

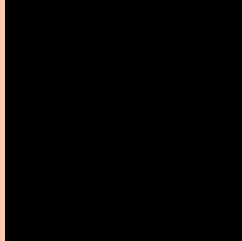
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4972, 66.7557, 51.8174

Background



This preview shows how black text looks on a background with the XYZ color 70.4972, 66.7557, 51.8174.



This preview shows how white text looks on a background with the XYZ color 70.4972, 66.7557,

51.8174.

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

70.4972, 66.7557, 51.8174

Protanopia

63.1864, 66.8965, 54.9294

Deuteranopia

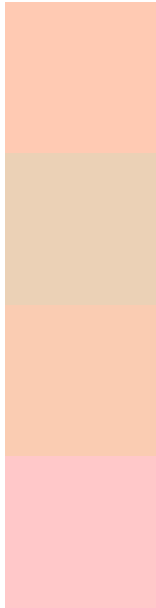
68.2250, 66.6512, 51.3886



Tritanopia

73.6737, 66.9109, 71.9829

Trichromacy



Original Color

70.4972, 66.7557, 51.8174

Protanomaly

65.5049, 66.6405, 53.6664

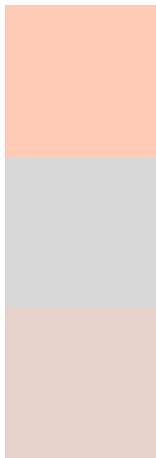
Deuteranomaly

69.0531, 66.7241, 51.3590

Tritanomaly

72.4369, 66.7856, 64.3314

Monochromacy



Original Color

70.4972, 66.7557, 51.8174

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.3404, 67.1804, 65.3477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4972, 66.7557, 51.8174 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, 202, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 179)  
}
```

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, 202, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 179) }
```

Border

The CSS property to change the border of an element to XYZ 70.4972, 66.7557, 51.8174 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, 202, 179) }
```


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

```
.border{ border-color:rgb(255, 202, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4972, 66.7557, 51.8174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 179) }
```

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

```
.background{ background-color: rgb(255,  
202, 179) }
```

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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