

Converting Colors

XYZ(70.9494, 67.6980, 51.8512)

Have a look what the booklet for
XYZ(70.9494, 67.6980, 51.8512)
contains.

XYZ(70.9695, 67.7004, 51.9748)	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(70.9695, 67.7004,
51.9748)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCB3
RGB	255, 204, 179
RGB Percent	100%, 80%, 70%
CMY	0.0000, 0.2000, 0.2980
CMYK	0.00, 0.20, 0.30, 0.00
HSL	20°, 100%, 85%
HSV	20°, 30%, 100%
XYZ	70.9695, 67.7004, 51.9748
YIQ	216.3990, 38.4210, 3.0370

Conversions

Conversions Part 2

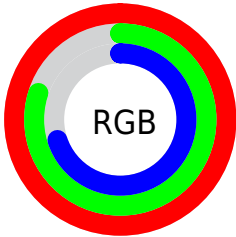
Format	Color
R _Y B	255, 216, 179
Decimal	16764083
CIE Lab	85.86, 14.57, 19.31
CIE LCh	86, 24.191, 52.959
Yxy	67.7004, 0.3723, 0.3551
Android (android.graphics.Color)	4294954163 (0xFFFFCCB3)
YUV	216.3990, -18.4377, 33.8531
Hunter-Lab	82.2803, 9.9718, 20.1439

Details

The XYZ color **70.9695, 67.7004, 51.9748** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **64.9362, 73.3948, 105.3519**, and the grayscale version is **65.6473, 69.0661, 75.2130**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **37.6982, 35.1894, 24.5440** is the 20% darker color. If you saturate the color by 10%, you get **64.7797, 59.0732, 38.3427**, and if you desaturate by 10%, it is **78.0866, 77.4182, 68.2703**.

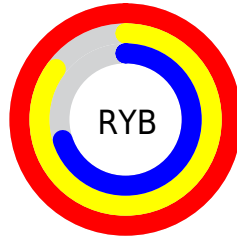
Distribution



Red (100%)

Green (80%)

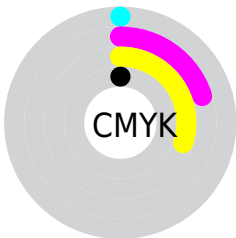
Blue (70%)



Red (100%)

Yellow (85%)

Blue (70%)

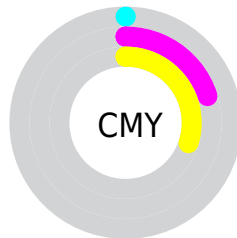


Cyan (0%)

Magenta (20%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9695, 67.7004, 51.9748 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 70.9695, 67.7004, 51.9748 by changing the saturation by 10% instead.


 70.9695, 67.7004,
51.9748

 70.9695, 67.7004,
51.9748


453.1603,
452.4338, 411.2935

 52.5998, 49.6540,
36.6029


 119.6090,
115.9234, 94.5203

 37.7095, 35.1386,
24.6068


150.6096,
146.8689, 122.5309

 25.9335, 23.7696,
15.5680


186.5510,
182.8829, 155.5916

 16.9063, 15.1628,
9.0680

227.7988,
224.3497, 194.1207

 10.2626, 8.9337,
4.6881

274.7183,
271.6538, 238.5370

 5.6370, 4.6980,
2.0099

327.6748,

 2.6642, 2.0712,

325.1796, 289.2588

0.5614

387.0337,
385.3115, 346.7048

■ 0.9788, 0.6483,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.9695, 67.7004,
51.9748

■ 70.9695, 67.7004,
51.9748

■ 64.7797, 59.0732,
38.3427

■ 78.0866, 77.4182,
68.2703

■ 59.4711, 51.4880,
27.2263

■ 86.1637, 88.2543,
87.3576

■ 55.0016, 44.9059,
18.4700

95.0500, 100.0000,
108.9000

■ 51.3228, 39.2822,
11.8987

■ 48.3810, 34.5680,
7.3126

■ 46.1138, 30.7093,
4.4744

■ 44.4314, 27.6385,
3.0074

■ 44.4025, 27.5851,
2.9842

Harmonies

Analogous

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



74.6464, 67.7004, 62.4589



70.9695, 67.7004, 51.9748



65.6599, 67.7004, 47.4266

Triad

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



70.9695, 67.7004, 51.9748



54.3577, 67.7004, 70.0428



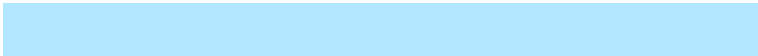
68.5860, 67.7004, 105.4713

Complementary

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



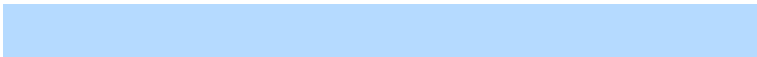
70.9695, 67.7004, 51.9748



64.9362, 73.3948, 105.3519

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.



63.0521, 67.7004, 108.2679



70.9695, 67.7004, 51.9748



55.0418, 67.7004, 86.2464

Square

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



70.9695, 67.7004, 51.9748



56.2251, 67.7004, 56.8448



58.1502, 67.7004, 100.8006



73.2161, 67.7004, 93.6290

Rectangle

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



70.9695, 67.7004, 51.9748



61.9913, 67.7004, 47.8348



58.1502, 67.7004, 100.8006



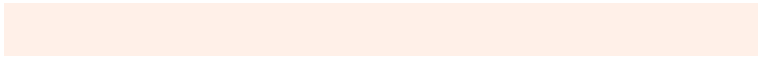
66.7620, 67.7004, 107.5638

Sweetspot

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



70.9712, 67.7035, 51.9762



86.8553, 89.1745, 89.0158



71.7749, 59.2666, 83.2090



18.3235, 18.7314, 18.4131



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.



70.9712, 67.7035, 51.9762



67.0282, 62.2302, 43.2232



80.8520, 87.4650, 55.2698



18.4975, 18.9631, 18.8297



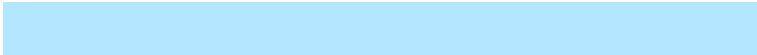
23.3221, 14.6555, 1.5996



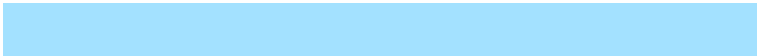
2.3658, 1.6170, 0.1874

Inverse Universe

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



64.9362, 73.3948, 105.3519



60.0654, 68.7679, 104.7155



55.6963, 54.9149, 102.2719



18.0217, 19.4150, 23.0476



17.1932, 19.2960, 52.2529



1.7740, 2.0788, 5.1210

Previews

White Background



This preview shows how the XYZ color 70.9695, 67.7004, 51.9748 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 70.9695, 67.7004, 51.9748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

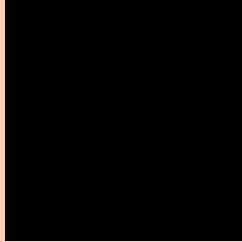
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9695, 67.7004, 51.9748

Background



This preview shows how black text looks on a background with the XYZ color 70.9695, 67.7004, 51.9748.



This preview shows how white text looks on a background with the XYZ color 70.9695, 67.7004,

51.9748.

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

70.9695, 67.7004, 51.9748

Protanopia

64.0623, 67.7226, 55.0427

Deuteranopia

69.0601, 67.7965, 51.5656



Tritanopia

74.2642, 67.8883, 72.8079

Trichromacy



Original Color

70.9695, 67.7004, 51.9748

Protanomaly

66.4151, 67.4751, 53.7795

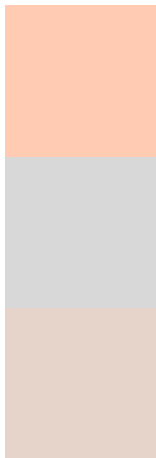
Deuteranomaly

69.8908, 67.8662, 51.5353

Tritanomaly

72.9031, 67.7181, 64.4868

Monochromacy



Original Color

70.9695, 67.7004, 51.9748

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.9561, 68.2218, 66.1391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9695, 67.7004, 51.9748 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, 204, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 179) }
```

Border

The CSS property to change the border of an element to XYZ 70.9695, 67.7004, 51.9748 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, 204, 179) }
```


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

```
.border{ border-color:rgb(255, 204, 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, 204, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9695, 67.7004, 51.9748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 179) }
```

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

```
.background{ background-color: rgb(255,  
204, 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](#).

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