

# Converting Colors

XYZ(71.5846, 69.1711, 51.4381)

Have a look what the booklet for  
XYZ(71.5846, 69.1711, 51.4381)  
contains.

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# Color

**XYZ(71.5887, 69.1000,  
51.6840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCFB2
RGB	255, 207, 178
RGB Percent	100%, 81%, 70%
CMY	0.0000, 0.1882, 0.3020
CMYK	0.00, 0.19, 0.30, 0.00
HSL	23°, 100%, 85%
HSV	23°, 30%, 100%
XYZ	71.5887, 69.1000, 51.6840
YIQ	218.0460, 37.9170, 1.1570

# Conversions

## Conversions Part 2

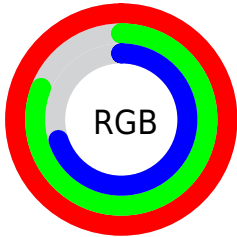
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 225, 178
Decimal	16764850
CIE <sub>Lab</sub>	86.55, 12.88, 20.80
CIE <sub>LCh</sub>	87, 24.469, 58.231
Yxy	69.1000, 0.3721, 0.3592
Android (android.graphics.Color)	4294954930 (0xFFFFCFB2)
YUV	218.0460, -19.7427, 32.4087
Hunter-Lab	83.1264, 8.2535, 21.3248

# Details

The XYZ color **71.5887, 69.1000, 51.6840** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.6056, 71.0754, 104.9743**, and the grayscale version is **66.7873, 70.2655, 76.5191**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **38.1189, 36.1335, 24.3674** is the 20% darker color. If you saturate the color by 10%, you get **65.6039, 60.8540, 38.2100**, and if you desaturate by 10%, it is **78.4406, 78.3181, 67.7965**.

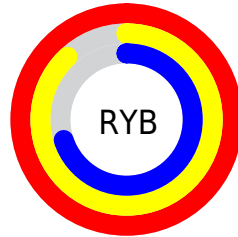
# Distribution



Red (100%)

Green (81%)

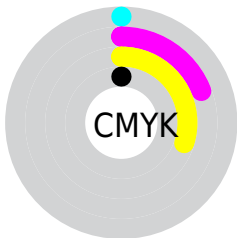
Blue (70%)



Red (100%)

Yellow (88%)

Blue (70%)

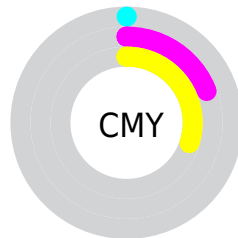


Cyan (0%)

Magenta (19%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5887, 69.1000, 51.6840 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 71.5887, 69.1000, 51.6840 by changing the saturation by 10% instead.




 71.5887, 69.1000,  
51.6840

 71.5887, 69.1000,  
51.6840

455.2886,  
457.3836, 410.1376

 53.1070, 50.7932,  
36.3728


 120.4856,  
117.9244, 94.0869

 38.1160, 36.0440,  
24.4302

151.6314,  
149.2107, 122.0156

 26.2504, 24.4682,  
15.4379


187.7295,  
185.5924, 154.9872

 17.1447, 15.6813,  
8.9773

229.1449,  
227.4537, 193.4202

 10.4337, 9.2989,  
4.6298

276.2432,  
275.1790, 237.7333

 5.7519, 4.9367,  
1.9768

329.3897,

 2.7340, 2.2101,

329.1529, 288.3448

0.5410

388.9497,  
389.7596, 345.6734

■ 1.0147, 0.7255,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 71.5887, 69.1000,  
51.6840

■ 71.5887, 69.1000,  
51.6840

■ 65.6039, 60.8540,  
38.2100

■ 78.4406, 78.3181,  
67.7965

■ 60.4433, 53.5371,  
27.2273

■ 86.1896, 88.5303,  
86.6754

■ 56.0675, 47.1171,  
18.5806

94.8709, 99.7699,  
108.4450

■ 52.4316, 41.5558,  
12.0954

95.0500, 100.0000,  
108.9000

■ 49.4852, 36.8119,  
7.5719

■ 47.1701, 32.8393,  
4.7723

■ 45.4280, 29.6361,  
3.3260

# Harmonies

## Analogous

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



75.7630, 69.1000, 61.4088



71.5887, 69.1000, 51.6840



66.0147, 69.1000, 48.1366

# Triad

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



71.5887, 69.1000, 51.6840



55.3681, 69.1000, 74.2782



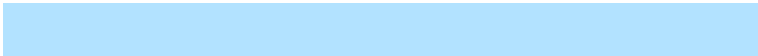
70.9729, 69.1000, 106.2500

# Complementary

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



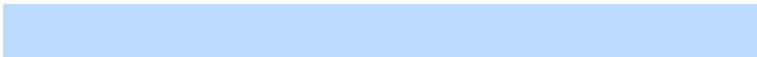
71.5887, 69.1000, 51.6840



63.6056, 71.0754, 104.9743

# 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.



65.3414, 69.1000, 110.9766



71.5887, 69.1000, 51.6840



56.5293, 69.1000, 91.0020

# Square

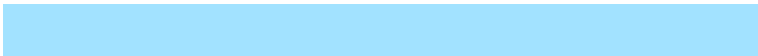
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5887, 69.1000, 51.6840



56.8344, 69.1000, 59.9619



60.1010, 69.1000, 105.0411



75.3933, 69.1000, 92.9108



# Rectangle

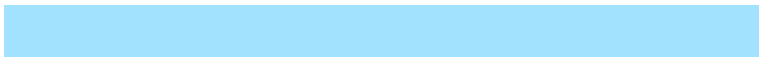
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.5887, 69.1000, 51.6840



62.3241, 69.1000, 49.2991



60.1010, 69.1000, 105.0411



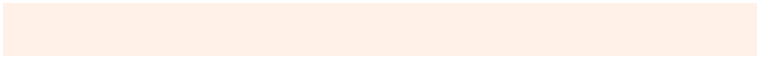
69.1491, 69.1000, 108.9763

# Sweetspot

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



71.5904, 69.1032, 51.6854



87.1777, 89.8193, 89.1233



70.9938, 58.6347, 80.0806



18.4026, 18.8896, 18.4395



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

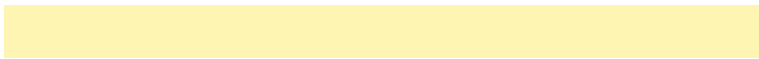
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5904, 69.1032, 51.6854



68.0127, 64.1994, 43.5514



81.8479, 89.6181, 55.1046



18.5700, 19.1082, 18.8538



23.8689, 15.7490, 1.7818



2.4251, 1.7355, 0.2072

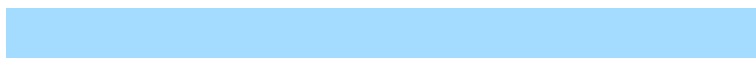


# Inverse Universe

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



63.6056, 71.0754, 104.9743



58.8987, 66.4346, 104.3266



54.4511, 52.7663, 101.9228



17.9463, 19.2642, 23.0224



16.0531, 17.0157, 51.8729



1.6682, 1.8672, 5.0857



# Previews

## White Background



This preview shows how the XYZ color 71.5887, 69.1000, 51.6840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

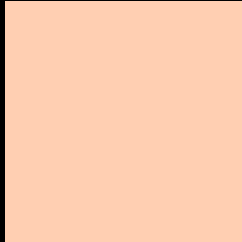
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.5887, 69.1000, 51.6840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

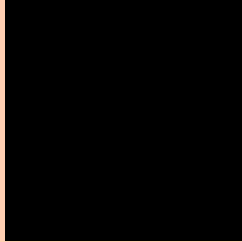
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 71.5887, 69.1000, 51.6840

## Background



This preview shows how black text looks on a background with the XYZ color 71.5887, 69.1000, 51.6840.



This preview shows how white text looks on a background with the XYZ color 71.5887, 69.1000,

51.6840.

# 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

71.5887, 69.1000, 51.6840

### Protanopia

65.4162, 69.1886, 54.7067

### Deuteranopia

70.3754, 68.8353, 51.6968



## **Tritanopia**

75.1203, 68.9816, 75.0012

# Trichromacy



**Original Color**

71.5887, 69.1000, 51.6840

**Protanomaly**

67.3946, 69.1018, 53.5020

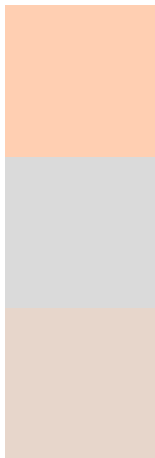
**Deuteranomaly**

70.7366, 69.0215, 51.7137

**Tritanomaly**

73.6124, 68.7575, 65.8917

# Monochromacy



**Original Color**

71.5887, 69.1000, 51.6840

**Achromatopsia**

66.6397, 70.1102, 76.3500

**Achromatomaly**

67.7811, 69.3939, 66.3218

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.5887, 69.1000, 51.6840 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 71.5887, 69.1000, 51.6840 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, 178) }
```



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

```
.border{ border-color:rgb(255, 207, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.5887, 69.1000, 51.6840 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
207, 178) }
```

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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