

# Converting Colors

XYZ(71.9842, 70.2178, 50.8086)

Have a look what the booklet for  
XYZ(71.9842, 70.2178, 50.8086)  
contains.

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# Color

**XYZ(71.8769, 69.9955,  
50.7965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD1B0
RGB	255, 209, 176
RGB Percent	100%, 82%, 69%
CMY	0.0000, 0.1804, 0.3098
CMYK	0.00, 0.18, 0.31, 0.00
HSL	25°, 100%, 85%
HSV	25°, 31%, 100%
XYZ	71.8769, 69.9955, 50.7965
YIQ	218.9920, 38.0090, -0.5110

# Conversions

## Conversions Part 2

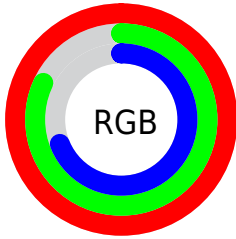
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 233, 176
Decimal	16765360
CIE <sub>Lab</sub>	86.99, 11.59, 22.46
CIE <sub>LCh</sub>	87, 25.276, 62.705
Yxy	69.9955, 0.3731, 0.3633
Android (android.graphics.Color)	4294955440 (0xFFFFD1B0)
YUV	218.9920, -21.1951, 31.5790
Hunter-Lab	83.6633, 6.9423, 22.5662

# Details

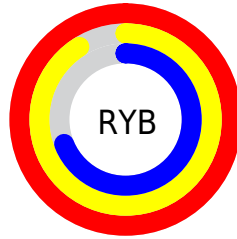
The XYZ color **71.8769, 69.9955, 50.7965** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.0750, 68.6904, 104.5946**, and the grayscale version is **67.4518, 70.9646, 77.2804**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **38.3225, 36.7431, 23.8112** is the 20% darker color. If you saturate the color by 10%, you get **66.1130, 62.1331, 37.5748**, and if you desaturate by 10%, it is **78.4579, 78.7329, 66.6301**.

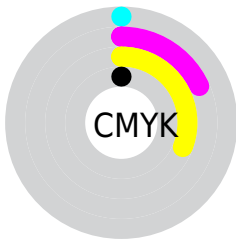
# Distribution



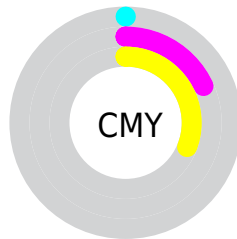
- Red (100%)
- Green (82%)
- Blue (69%)



- Red (100%)
- Yellow (91%)
- Blue (69%)



- Cyan (0%)
- Magenta (18%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8769, 69.9955, 50.7965 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 71.8769, 69.9955, 50.7965 by changing the saturation by 10% instead.




 71.8769, 69.9955,  
50.7965

 71.8769, 69.9955,  
50.7965


456.2773,  
460.5342, 406.5966

 53.3432, 51.5229,  
35.6711


 120.8932,  
119.2023, 92.7623

 38.3054, 36.6249,  
23.8926


152.1066,  
150.7053, 120.4398

 26.3981, 24.9172,  
15.0425


188.2773,  
187.3206, 153.1384

 17.2559, 16.0154,  
8.7023

229.7706,  
229.4324, 191.2766

 10.5136, 9.5350,  
4.4533

276.9519,  
277.4253, 235.2730

 5.8056, 5.0918,  
1.8772

330.1865,

 2.7668, 2.3012,

331.6837, 285.5461

0.4782

389.8399,  
392.5918, 342.5144

■ 1.0317, 0.7744,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 71.8769, 69.9955,  
50.7965

■ 71.8769, 69.9955,  
50.7965

■ 66.1130, 62.1331,  
37.5748

■ 78.4579, 78.7329,  
66.6301

■ 61.1248, 55.1068,  
26.8177

■ 85.8839, 88.3631,  
85.2036

■ 56.8754, 48.8890,  
18.3694

■ 94.1881, 98.9156,  
106.6413

■ 53.3220, 43.4463,  
12.0545

■ 95.0500, 100.0000,  
108.9000

■ 50.4165, 38.7427,  
7.6718

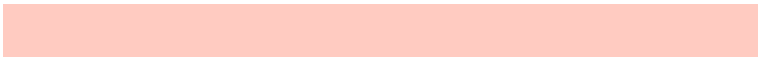
■ 48.1025, 34.7375,  
4.9804

■ 46.4495, 31.6789,  
3.6665

# Harmonies

## Analogous

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



76.5561, 69.9955, 59.9469



71.8769, 69.9955, 50.7965



65.9938, 69.9955, 48.1081

# Triad

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



71.8769, 69.9955, 50.7965



55.8111, 69.9955, 77.7593



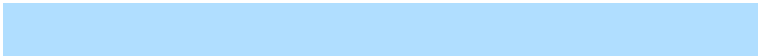
72.8593, 69.9955, 107.0090

# Complementary

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



71.8769, 69.9955, 50.7965



62.0750, 68.6904, 104.5946

# 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.



67.0663, 69.9955, 113.5623



71.8769, 69.9955, 50.7965



57.4174, 69.9955, 95.1842

# Square

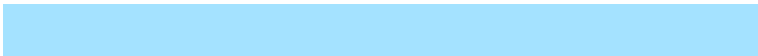
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8769, 69.9955, 50.7965



56.9327, 69.9955, 62.2421



61.4525, 69.9955, 108.9462



77.1464, 69.9955, 92.1326



# Rectangle

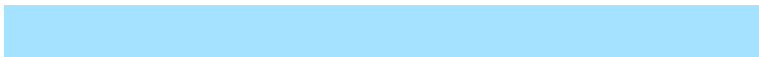
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8769, 69.9955, 50.7965



62.2382, 69.9955, 49.9605



61.4525, 69.9955, 108.9462



71.0118, 69.9955, 110.3502

# Sweetspot

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



71.8787, 69.9987, 50.7979



87.4572, 90.3782, 89.2164



69.9618, 57.5898, 76.5949



18.4712, 19.0269, 18.4624



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.



71.8787, 69.9987, 50.7979



68.3123, 65.1611, 42.5335



82.7724, 91.7861, 54.4292



18.6329, 19.2340, 18.8748



24.4103, 16.8318, 1.9623

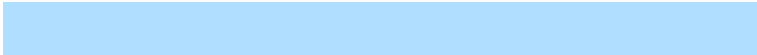


2.4817, 1.8488, 0.2261

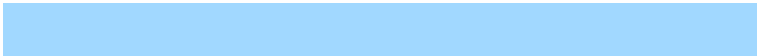


# Inverse Universe

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



62.0750, 68.6904, 104.5946



57.1263, 63.6584, 103.8842



52.8029, 50.1463, 101.5039



17.8817, 19.1349, 23.0009



15.1540, 15.2175, 51.5732



1.5835, 1.6977, 5.0575



# Previews

## White Background



This preview shows how the XYZ color 71.8769, 69.9955, 50.7965 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

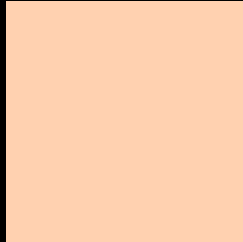
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8769, 69.9955, 50.7965 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

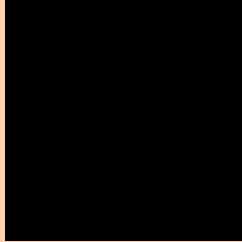
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.8769, 69.9955, 50.7965**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.8769, 69.9955, 50.7965.



This preview shows how white text looks on a background with the XYZ color 71.8769, 69.9955,

50.7965.

# 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

71.8769, 69.9955, 50.7965

### Protanopia

66.2646, 70.4270, 53.2813

### Deuteranopia

71.7561, 70.2986, 50.8613



## Tritanopia

75.8575, 70.0371, 76.5382

# Trichromacy



## Original Color

71.8769, 69.9955, 50.7965

## Protanomaly

68.3723, 70.3808, 52.6291

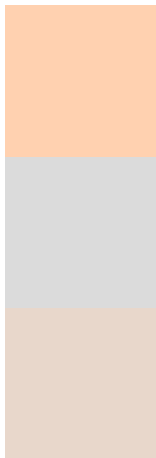
## Deuteranomaly

71.7561, 70.2986, 50.8613

## Tritanomaly

74.0908, 69.7144, 66.0511

# Monochromacy



## Original Color

71.8769, 69.9955, 50.7965

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

68.3586, 70.0685, 66.4216

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8769, 69.9955, 50.7965 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, 209, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 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, 209, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8769, 69.9955, 50.7965 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, 209, 176) }
```



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

```
.border{ border-color:rgb(255, 209, 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, 209, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8769, 69.9955, 50.7965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 176) }
```

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

```
.background{ background-color: rgb(255,  
209, 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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