

# Converting Colors

XYZ(69.5020, 68.0968, 50.0431)

Have a look what the booklet for  
XYZ(69.5020, 68.0968, 50.0431)  
contains.

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# Color

**XYZ(69.4750, 68.0448,  
50.0297)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FACFAF
RGB	250, 207, 175
RGB Percent	98%, 81%, 69%
CMY	0.0196, 0.1882, 0.3137
CMYK	0.00, 0.17, 0.30, 0.02
HSL	26°, 88%, 83%
HSV	26°, 30%, 98%
XYZ	69.4750, 68.0448, 50.0297
YIQ	216.2090, 35.9000, -0.8360

# Conversions

## Conversions Part 2

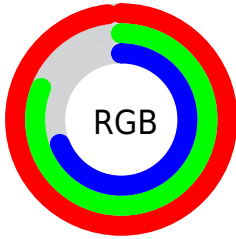
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 231, 175
Decimal	16437167
CIE Lab	86.03, 10.62, 21.58
CIE LCh	86, 24.054, 63.793
Yxy	68.0448, 0.3704, 0.3628
Android (android.graphics.Color)	4294627247 (0xFFFACF AF)
YUV	216.2090, -20.3160, 29.6347
Hunter-Lab	82.4893, 5.9820, 21.7831

# Details

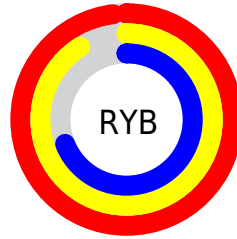
The XYZ color **69.4750, 68.0448, 50.0297** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.0052, 66.1568, 100.0495**, and the grayscale version is **65.5312, 68.9440, 75.0800**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **36.6423, 35.3941, 23.3128** is the 20% darker color. If you saturate the color by 10%, you get **63.9277, 60.5224, 37.1675**, and if you desaturate by 10%, it is **75.7957, 76.3858, 65.3937**.

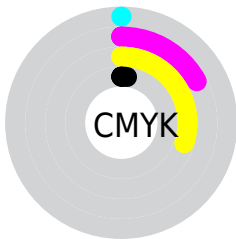
# Distribution



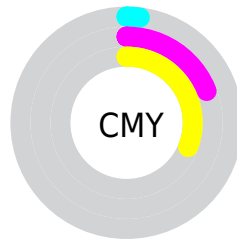
- Red (98%)
- Green (81%)
- Blue (69%)



- Red (98%)
- Yellow (91%)
- Blue (69%)



- Cyan (0%)
- Magenta (17%)
- Yellow (30%)
- Black (2%)




- Cyan (2%)
- Magenta (19%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4750, 68.0448, 50.0297 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 69.4750, 68.0448, 50.0297 by changing the saturation by 10% instead.



 69.4750, 68.0448,  
50.0297

 69.4750, 68.0448,  
50.0297


447.9997,  
453.6547, 403.5205

 51.3767, 49.9342,  
35.0657


 117.4901,  
116.4162, 91.6156

 36.7307, 35.3611,  
23.4295


148.1376,  
147.4458, 119.0746

 25.1718, 23.9412,  
14.7027


183.6990,  
183.5506, 151.5356

 16.3345, 15.2900,  
8.4667

224.5394,  
225.1148, 189.4172

 9.8535, 9.0232,  
4.3030

271.0243,  
272.5229, 233.1380

 5.3635, 4.7563,  
1.7930

323.5191,

 2.4990, 2.1050,

326.1594, 283.1164

0.4233

382.3891,  
386.4085, 339.7711

■ 0.8947, 0.6674,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.4750, 68.0448,  
50.0297

■ 69.4750, 68.0448,  
50.0297

■ 63.9277, 60.5224,  
37.1675

■ 75.7957, 76.3858,  
65.3937

■ 59.1149, 53.7823,  
26.6679

■ 82.9156, 85.5611,  
83.3803

■ 55.0022, 47.7992,  
18.3843

■ 90.8659, 95.5981,  
104.1071

■ 51.5498, 42.5428,  
12.1515

■ 93.2344, 99.0640,  
108.8150

■ 48.7128, 37.9797,  
7.7812

■ 46.4393, 34.0731,  
5.0489

■ 44.6493, 30.7739,  
3.5867

■ 44.6492, 30.7737,  
3.5866

# Harmonies

## Analogous

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



73.9006, 68.0448, 58.4382



69.4750, 68.0448, 50.0297



63.9750, 68.0448, 47.7131

# Triad

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



69.4750, 68.0448, 50.0297



54.6531, 68.0448, 76.1182



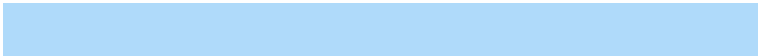
70.7583, 68.0448, 102.3253

# Complementary

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



69.4750, 68.0448, 50.0297



60.0052, 66.1568, 100.0495

# 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.



65.3792, 68.0448, 108.7403



69.4750, 68.0448, 50.0297



56.2502, 68.0448, 92.3115

# Square

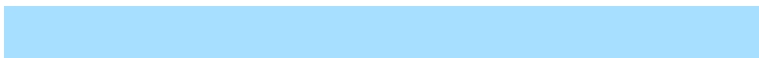
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.4750, 68.0448, 50.0297



55.6129, 68.0448, 61.4620



60.1005, 68.0448, 104.8393



74.6706, 68.0448, 88.3373



# Rectangle

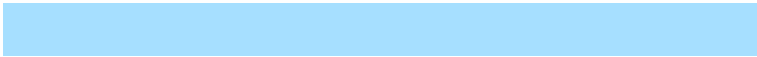
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.4750, 68.0448, 50.0297



60.4870, 68.0448, 49.6145



60.1005, 68.0448, 104.8393



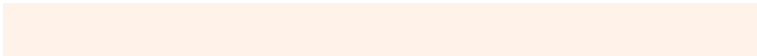
69.0510, 68.0448, 105.5225

# Sweetspot

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



69.4768, 68.0479, 50.0311



87.5182, 90.5002, 89.2368



67.5081, 56.0860, 74.1136



18.4862, 19.0569, 18.4674



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.



69.4768, 68.0479, 50.0311



69.0773, 66.3285, 43.9063



79.4380, 87.9704, 53.3515



17.8536, 18.4430, 18.0813



23.8192, 16.5950, 1.9478

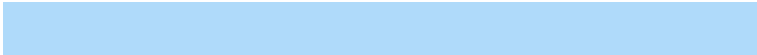


2.3088, 1.7424, 0.2146

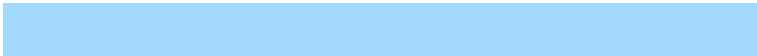


# Inverse Universe

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



60.0052, 66.1568, 100.0495



57.7064, 64.0500, 103.9292



51.5100, 49.1665, 97.2178



17.1092, 18.2953, 22.0149



14.5338, 14.4231, 49.9915



1.4512, 1.5461, 4.6651



# Previews

## White Background



This preview shows how the XYZ color 69.4750, 68.0448, 50.0297 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

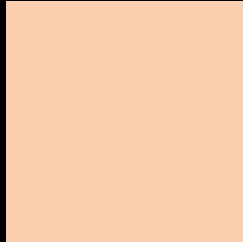
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.4750, 68.0448, 50.0297 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 69.4750, 68.0448, 50.0297**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.4750, 68.0448, 50.0297.



This preview shows how white text looks on a background with the XYZ color 69.4750, 68.0448,



# 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

69.4750, 68.0448, 50.0297

### Protanopia

64.1157, 68.1864, 52.4299

### Deuteranopia

69.4750, 68.0448, 50.0297



## Tritanopia

74.6510, 68.0430, 74.8447

# Trichromacy



## Original Color

69.4750, 68.0448, 50.0297

## Protanomaly

65.8403, 67.9635, 51.7676

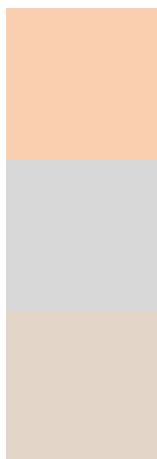
## Deuteranomaly

69.4750, 68.0448, 50.0297

## Tritanomaly

72.5246, 67.8588, 65.1527

# Monochromacy



## Original Color

69.4750, 68.0448, 50.0297

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

66.3318, 68.2995, 64.9454

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.4750, 68.0448, 50.0297 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(250, 207, 175)` looks like.

```
.text, #text, p{  
    color:rgb(250, 207, 175)  
}
```

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(250, 207, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 207, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 69.4750, 68.0448, 50.0297 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(250, 207, 175) }
```



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

```
.border{ border-color:rgb(250, 207, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 207, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 207, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 207, 175);  
box-shadow:4px 4px 4px 4px rgb(250, 207,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.4750, 68.0448, 50.0297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 207, 175) }
```

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

```
.background{ background-color: rgb(250,  
207, 175) }
```

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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