

# Converting Colors

XYZ(96.8622, 79.2902, 50.3094)

Have a look what the booklet for  
XYZ(96.8622, 79.2902, 50.3094)  
contains.

<b>XYZ(69.3034, 65.1628, 48.9694)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(69.3034, 65.1628,  
48.9694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7AE
RGB	255, 199, 174
RGB Percent	100%, 78%, 68%
CMY	0.0000, 0.2196, 0.3176
CMYK	0.00, 0.22, 0.32, 0.00
HSL	19°, 100%, 84%
HSV	19°, 32%, 100%
XYZ	69.3034, 65.1628, 48.9694
YIQ	212.8940, 41.4010, 4.0970

# Conversions

## Conversions Part 2

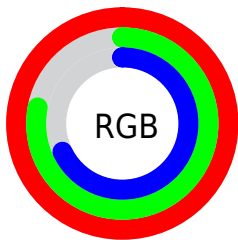
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 210, 174
Decimal	16762798
CIE Lab	84.57, 16.55, 20.16
CIE LCh	85, 26.083, 50.616
Yxy	65.1628, 0.3778, 0.3552
Android (android.graphics.Color)	4294952878 (0xFFFFC7AE)
YUV	212.8940, -19.1747, 36.9270
Hunter-Lab	80.7235, 11.9812, 20.5393

# Details

The XYZ color **69.3034, 65.1628, 48.9694** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.8014, 72.8099, 105.2988**, and the grayscale version is **63.2811, 66.5767, 72.5020**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **36.6642, 33.5263, 22.9512** is the 20% darker color. If you saturate the color by 10%, you get **63.2260, 56.6159, 35.8212**, and if you desaturate by 10%, it is **76.3259, 74.8443, 64.7623**.

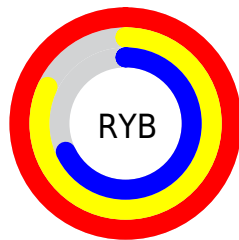
# Distribution



Red (100%)

Green (78%)

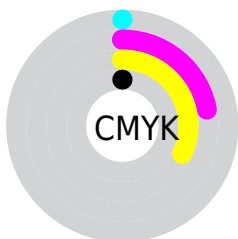
Blue (68%)



Red (100%)

Yellow (82%)

Blue (68%)

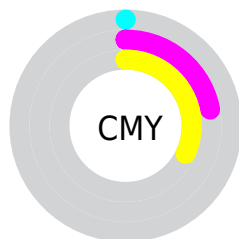


Cyan (0%)

Magenta (22%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3034, 65.1628, 48.9694 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 69.3034, 65.1628, 48.9694 by changing the saturation by 10% instead.





 69.3034, 65.1628,  
48.9694

 69.3034, 65.1628,  
48.9694


447.4050,  
443.3768, 399.2408

 51.2364, 47.5931,  
34.2298


 117.2465,  
112.2839, 90.0265

 36.6186, 33.5048,  
22.7914


147.8533,  
142.6041, 117.1811

 25.0846, 22.5134,  
14.2357


183.3708,  
177.9432, 149.3111

 16.2692, 14.2346,  
8.1442

224.1642,  
218.6856, 186.8350

 9.8069, 8.2840,  
4.0982

270.5990,  
265.2158, 230.1714

 5.3324, 4.2772,  
1.6794


323.0405,

 2.4803, 1.8298,


317.9181, 279.7388


0.3466


381.8540,  
377.1770, 335.9558

 0.8853, 0.5057,  
0.0000


 0.0000, 0.0000,  
0.0000


 69.3034, 65.1628,  
48.9694

 69.3034, 65.1628,  
48.9694


 63.2260, 56.6159,  
35.8212


 76.3259, 74.8443,  
64.7623

 58.0461, 49.1517,  
25.1673

 84.3284, 85.6914,  
83.3308

 53.7189, 42.7280,  
16.8483

 93.3501, 97.7456,  
104.8021

 50.1936, 37.2955,  
10.6844

95.0500, 100.0000,  
108.9000

■ 47.4130, 32.8010,  
6.4692

■ 45.3107, 29.1848,  
3.9546

■ 44.0158, 26.8117,  
2.8553

# Harmonies

## Analogous

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



72.9997, 65.1628, 60.2639



69.3034, 65.1628, 48.9694



63.7761, 65.1628, 43.8175

# Triad

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



69.3034, 65.1628, 48.9694



51.5468, 65.1628, 65.8577



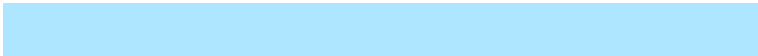
65.9558, 65.1628, 105.3367

# Complementary

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



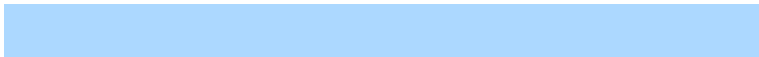
69.3034, 65.1628, 48.9694



63.8014, 72.8099, 105.2988

# 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.



60.1302, 65.1628, 107.4617



69.3034, 65.1628, 48.9694



52.0495, 65.1628, 82.8328

# Square

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



69.3034, 65.1628, 48.9694



53.6898, 65.1628, 52.5124



55.1088, 65.1628, 98.6876



70.9845, 65.1628, 93.2682



# Rectangle

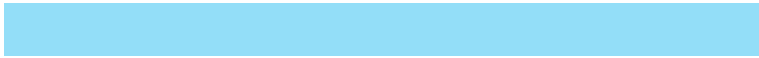
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.3034, 65.1628, 48.9694



59.8984, 65.1628, 43.9043



55.1088, 65.1628, 98.6876



64.0179, 65.1628, 107.3040

# Sweetspot

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



69.3050, 65.1658, 48.9707



85.8448, 87.7291, 86.9042



70.7579, 57.2853, 82.7075



18.1152, 18.4295, 17.9902



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.



69.3050, 65.1658, 48.9707



65.4063, 59.7043, 40.4697



79.6882, 85.9322, 52.4318



18.4667, 18.9016, 18.8194



23.1148, 14.2409, 1.5305

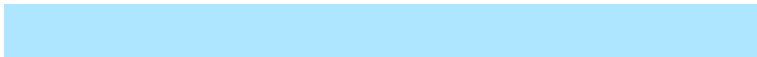


2.3427, 1.5707, 0.1797

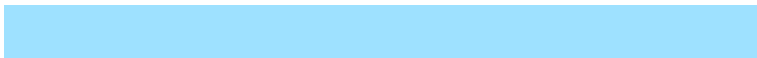


# Inverse Universe

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



63.8014, 72.8099, 105.2988



59.1188, 68.3964, 104.6937



53.9630, 53.1330, 102.0193



18.0540, 19.4795, 23.0583



17.7113, 20.3321, 52.4256



1.8216, 2.1739, 5.1369



# Previews

## White Background



This preview shows how the XYZ color 69.3034, 65.1628, 48.9694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

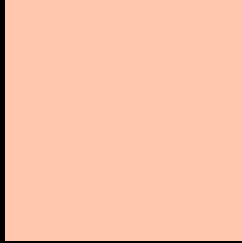
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3034, 65.1628, 48.9694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

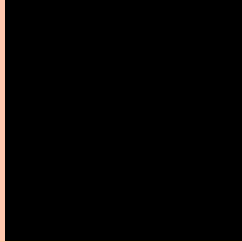
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.3034, 65.1628, 48.9694

## Background



This preview shows how black text looks on a background with the XYZ color 69.3034, 65.1628, 48.9694.



This preview shows how white text looks on a background with the XYZ color 69.3034, 65.1628,

48.9694.

# 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

69.3034, 65.1628, 48.9694

### Protanopia

61.6567, 65.4134, 52.5564

### Deuteranopia

66.5549, 65.1415, 48.6009



## Tritanopia

72.4886, 65.3433, 69.1136

# Trichromacy



## Original Color

69.3034, 65.1628, 48.9694

## Protanomaly

64.2804, 65.3324, 51.3420

## Deuteranomaly

67.7303, 65.3979, 48.5885

## Tritanomaly

71.1701, 65.1780, 61.0541

# Monochromacy



## Original Color

69.3034, 65.1628, 48.9694

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

64.8596, 65.7293, 63.3014

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3034, 65.1628, 48.9694 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, 199, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 174)  
}
```

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, 199, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3034, 65.1628, 48.9694 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, 199, 174) }
```



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

```
.border{ border-color:rgb(255, 199, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 199, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 199, 174); box-shadow:4px 4px 4px 4px rgb(255, 199, 174) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3034, 65.1628, 48.9694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 174) }
```

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

```
.background{ background-color: rgb(255,  
199, 174) }
```

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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