

# Converting Colors

XYZ(64.7131, 55.8634, 49.3487)

Have a look what the booklet for  
XYZ(64.7131, 55.8634, 49.3487)  
contains.

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# Color

**XYZ(64.6311, 55.7295,  
49.4699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEB1B2
RGB	254, 177, 178
RGB Percent	100%, 69%, 70%
CMY	0.0039, 0.3059, 0.3020
CMYK	0.00, 0.30, 0.30, 0.00
HSL	359°, 97%, 85%
HSV	359°, 30%, 100%
XYZ	64.6311, 55.7295, 49.4699
YIQ	200.1370, 45.5710, 16.6350

# Conversions

## Conversions Part 2

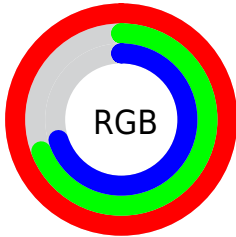
Format	Color
<a href="#">RYB</a>	<a href="#">254, 177, 178</a>
Decimal	<a href="#">16691634</a>
CIELab	<a href="#">79.46, 28.22, 10.83</a>
CIElCh	<a href="#">79, 30.225, 21.002</a>
Yxy	<a href="#">55.7295, 0.3806, 0.3281</a>
Android (android.graphics.Color)	<a href="#">4294881714</a> ( <a href="#">0xFFFEb1B2</a> )
YUV	<a href="#">200.1370, -10.9135, 47.2379</a>
Hunter-Lab	<a href="#">74.6522, 23.8973, 12.9667</a>

# Details

The XYZ color **64.6311, 55.7295, 49.4699** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **71.3054, 87.3239, 106.0302**, and the grayscale version is **55.0309, 57.8968, 63.0496**.

A 20% lighter version of the original color is **85.2302, 85.4783, 89.8488**, and **33.6743, 27.6317, 22.9607** is the 20% darker color. If you saturate the color by 10%, you get **57.7816, 45.6974, 35.8815**, and if you desaturate by 10%, it is **72.8774, 67.8183, 65.7948**.

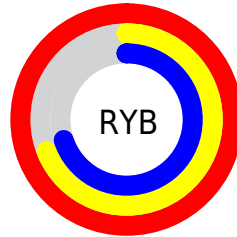
# Distribution



Red (100%)

Green (69%)

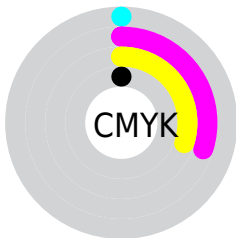
Blue (70%)



Red (100%)

Yellow (69%)

Blue (70%)

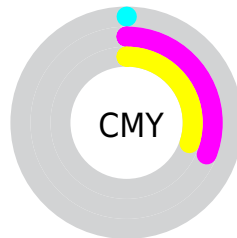


Cyan (0%)

Magenta (30%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6311, 55.7295, 49.4699 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 64.6311, 55.7295, 49.4699 by changing the saturation by 10% instead.



64.6311, 55.7295,  
49.4699

64.6311, 55.7295,  
49.4699

431.0313,  
408.6713, 401.2648

47.4256, 39.9861,  
34.6242

110.5880, 98.6090,  
90.7772

33.5816, 27.5277,  
23.0923

140.0701,  
126.5138, 118.0758

22.7337, 17.9699,  
14.4557

174.3751,  
159.2413, 150.3624

14.5166, 10.9284,  
8.2959

213.8684,  
197.1757, 188.0556

8.5649, 6.0187,  
4.1944

258.9153,  
240.7015, 231.5739

4.5133, 2.8565,  
1.7326

309.8812,

1.9965, 1.0573,

290.2031, 281.3358

0.3829

367.1314,  
346.0649, 337.7599

■ 0.6320, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.6311, 55.7295,  
49.4699

■ 64.6311, 55.7295,  
49.4699

■ 57.7816, 45.6974,  
35.8815

■ 72.8774, 67.8183,  
65.7948

■ 52.2473, 37.6002,  
24.8768

■ 82.5871, 82.0608,  
84.9909

■ 47.9455, 31.3157,  
16.2931

■ 93.8279, 98.5577,  
107.1880

■ 44.7818, 26.7043,  
9.9482

■ 94.6832, 99.8109,  
108.8828

■ 42.6484, 23.6064,  
5.6338

■ 41.4169, 21.8312,  
3.1028

■ 40.8911, 21.0781,  
2.0075

# Harmonies

## Analogous

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



65.3552, 55.7295, 66.0602



64.6311, 55.7295, 49.4699



60.6597, 55.7295, 38.2307

# Triad

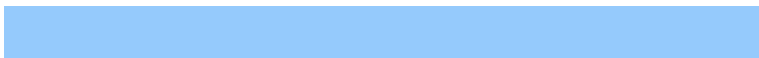
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.6311, 55.7295, 49.4699



44.4055, 55.7295, 41.9799



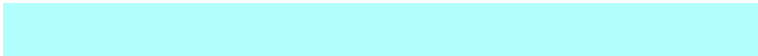
51.1644, 55.7295, 100.0501

# Complementary

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



64.6311, 55.7295, 49.4699



71.3054, 87.3239, 106.0302

# 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.



45.9578, 55.7295, 90.5453



64.6311, 55.7295, 49.4699



42.2562, 55.7295, 55.6000

# Square

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



64.6311, 55.7295, 49.4699



48.8949, 55.7295, 34.5153



42.8020, 55.7295, 73.4672



57.2639, 55.7295, 97.5460



# Rectangle

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



64.6311, 55.7295, 49.4699



56.8608, 55.7295, 34.2416



42.8020, 55.7295, 73.4672



49.2594, 55.7295, 98.0956

# Sweetspot

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



64.6326, 55.7321, 49.4710



84.7255, 84.8473, 88.5139



74.0179, 59.4322, 101.3366



17.8030, 17.6741, 18.2903



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.



64.6326, 55.7321, 49.4710



61.1085, 50.2198, 41.7776



72.9119, 72.4501, 51.7398



18.0189, 17.9909, 18.7168



21.5623, 11.1142, 1.0798



2.1026, 1.0834, 0.1220



# Inverse Universe

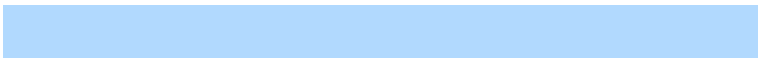
The Inverse Universe completely reimagines the original color for something new.



64.6326, 55.7321, 49.4710



61.1085, 50.2198, 41.7776



60.7803, 66.0194, 103.3057



18.0189, 17.9909, 18.7168



21.5623, 11.1142, 1.0798



2.1026, 1.0834, 0.1220



# Previews

## White Background



This preview shows how the XYZ color 64.6311, 55.7295, 49.4699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

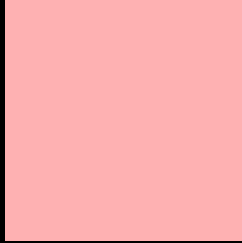
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.6311, 55.7295, 49.4699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

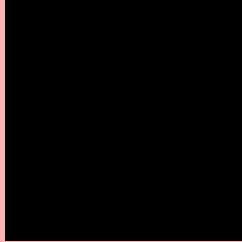
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.6311, 55.7295, 49.4699**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.6311, 55.7295, 49.4699.



This preview shows how white text looks on a background with the XYZ color 64.6311, 55.7295,

49.4699.

# 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

64.6311, 55.7295, 49.4699

### Protanopia

53.4456, 55.8072, 55.5319

### Deuteranopia

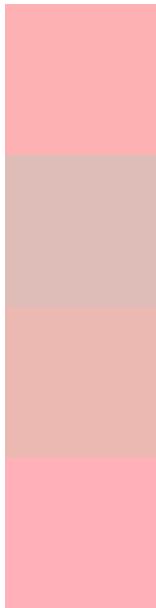
56.9904, 55.8088, 48.8428



## Tritanopia

65.7553, 55.5941, 55.4092

# Trichromacy



## Original Color

64.6311, 55.7295, 49.4699

## Protanomaly

56.9735, 55.3855, 53.0350

## Deuteranomaly

59.5457, 55.5344, 49.1758

## Tritanomaly

65.5223, 55.8135, 53.2186

# Monochromacy



## Original Color

64.6311, 55.7295, 49.4699

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

57.8793, 56.7207, 57.7668

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.6311, 55.7295, 49.4699 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(254, 177, 178)` looks like.

```
.text, #text, p{  
    color:rgb(254, 177, 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(254, 177, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 177, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 64.6311, 55.7295, 49.4699 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(254, 177, 178) }
```



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

```
.border{ border-color:rgb(254, 177, 178) }
```

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

Here you see how a box with a 4 pixel rgb(254, 177, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 177, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 177, 178);  
box-shadow:4px 4px 4px 4px rgb(254, 177,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.6311, 55.7295, 49.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 177, 178) }
```

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

```
.background{ background-color: rgb(254,  
177, 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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