

# Converting Colors

XYZ(59.6905, 55.1359, 49.2167)

Have a look what the booklet for  
XYZ(59.6905, 55.1359, 49.2167)  
contains.

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# Color

**XYZ(59.4614, 54.8742,  
49.0528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECB7B1
RGB	236, 183, 177
RGB Percent	93%, 72%, 69%
CMY	0.0745, 0.2823, 0.3059
CMYK	0.00, 0.22, 0.25, 0.07
HSL	6°, 61%, 81%
HSV	6°, 25%, 93%
XYZ	59.4614, 54.8742, 49.0528
YIQ	198.1630, 33.5140, 9.3700

# Conversions

## Conversions Part 2

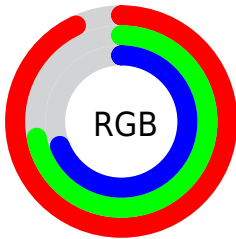
Format	Color
R <sub>Y</sub> B	236, 184, 177
Decimal	15513521
CIE Lab	78.97, 18.28, 10.42
CIE LCh	79, 21.043, 29.679
Yxy	54.8742, 0.3639, 0.3359
Android (android.graphics.Color)	4293703601 (0xFFECB7B1)
YUV	198.1630, -10.4334, 33.1830
Hunter-Lab	74.0771, 13.6462, 12.5930

# Details

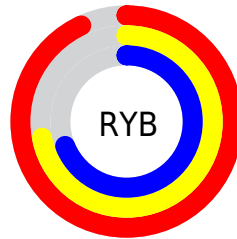
The XYZ color **59.4614, 54.8742, 49.0528** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **61.5678, 71.9948, 90.0086**, and the grayscale version is **53.8241, 56.6271, 61.6669**.

A 20% lighter version of the original color is **86.8145, 88.8762, 89.6700**, and **30.2111, 27.0042, 22.6888** is the 20% darker color. If you saturate the color by 10%, you get **53.2617, 45.9191, 36.3672**, and if you desaturate by 10%, it is **66.7294, 65.3141, 64.1027**.

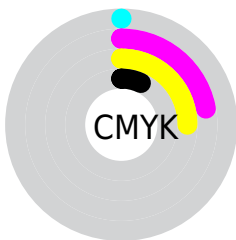
# Distribution



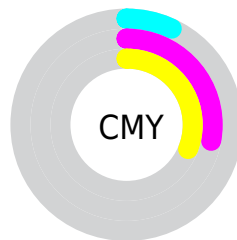
- Red (93%)
- Green (72%)
- Blue (69%)



- Red (93%)
- Yellow (72%)
- Blue (69%)



- Cyan (0%)
- Magenta (22%)
- Yellow (25%)
- Black (7%)



- Cyan (7%)
- Magenta (28%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4614, 54.8742, 49.0528 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 59.4614, 54.8742, 49.0528 by changing the saturation by 10% instead.



59.4614, 54.8742,  
49.0528

59.4614, 54.8742,  
49.0528

412.4763,  
405.4349, 399.5786

43.2325, 39.3010,  
34.2955

103.1588, 97.3566,  
90.1517

30.2629, 26.9940,  
22.8415

131.3579,  
125.0346, 117.3303

20.1873, 17.5687,  
14.2723

164.2778,  
157.5164, 149.4864

12.6403, 10.6408,  
8.1694

202.2838,  
195.1862, 187.0386

7.2566, 5.8258,  
4.1142

245.7413,  
238.4286, 230.4054

3.6708, 2.7395,  
1.6882

295.0157,

1.5177, 0.9973,

287.6279, 280.0052

0.3526

350.4722,  
343.1686, 336.2568

■ 0.3378, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.4614, 54.8742,  
49.0528

■ 59.4614, 54.8742,  
49.0528

■ 53.2617, 45.9191,  
36.3672

■ 66.7294, 65.3141,  
64.1027

■ 48.0756, 38.3741,  
25.9223

■ 75.1082, 77.2939,  
81.6249

■ 43.8501, 32.1695,  
17.5888

■ 84.6434, 90.8754,  
101.7251

■ 40.5259, 27.2267,  
11.2224

■ 88.4022, 96.5729,  
108.5889

■ 38.0366, 23.4586,  
6.6610

■ 36.3069, 20.7673,  
3.7164

■ 35.2472, 19.0387,  
2.1586

■ 34.9192, 18.4870,  
1.7279

# Harmonies

## Analogous

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



60.6203, 54.8742, 59.8777



59.4614, 54.8742, 49.0528



56.3233, 54.8742, 41.9879

# Triad

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



59.4614, 54.8742, 49.0528



45.5165, 54.8742, 48.8573



52.1113, 54.8742, 85.8719

# Complementary

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



59.4614, 54.8742, 49.0528



61.5678, 71.9948, 90.0086

# 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.



48.2000, 54.8742, 81.9215



59.4614, 54.8742, 49.0528



44.5192, 54.8742, 59.6199

# Square

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



59.4614, 54.8742, 49.0528



48.2740, 54.8742, 41.8861



45.4754, 54.8742, 71.8962



56.2413, 54.8742, 82.0807



# Rectangle

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



59.4614, 54.8742, 49.0528



53.6107, 54.8742, 39.8299



45.4754, 54.8742, 71.8962



50.7285, 54.8742, 85.3985

# Sweetspot

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



59.4629, 54.8767, 49.0539



87.4047, 89.0967, 92.8264



64.6117, 54.9966, 82.1470



18.5739, 18.8786, 19.5872



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.



59.4629, 54.8767, 49.0539



66.9453, 59.7328, 50.3844



66.1720, 68.2949, 51.2903



15.1888, 15.3006, 15.6715



19.2911, 10.2764, 0.9668



1.5564, 0.8902, 0.0898



# Inverse Universe

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



61.5678, 71.9948, 90.0086



69.8514, 83.3969, 107.0234



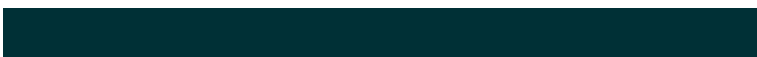
54.0659, 56.9909, 87.5080



15.3791, 16.8446, 19.3630



21.3761, 29.3993, 48.2910



1.7164, 2.3842, 3.8046



# Previews

## White Background



This preview shows how the XYZ color 59.4614, 54.8742, 49.0528 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

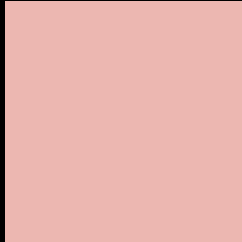
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.4614, 54.8742, 49.0528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

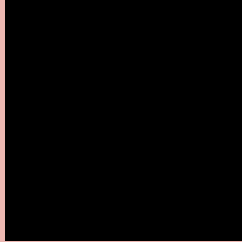
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.4614, 54.8742, 49.0528**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.4614, 54.8742, 49.0528.



This preview shows how white text looks on a background with the XYZ color 59.4614, 54.8742,

49.0528.

# 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

59.4614, 54.8742, 49.0528

### Protanopia

52.4195, 55.0057, 52.6541

### Deuteranopia

56.1583, 55.0594, 48.7420



## Tritanopia

61.3188, 54.7147, 58.3681

# Trichromacy



## Original Color

59.4614, 54.8742, 49.0528

## Protanomaly

54.7028, 54.8939, 51.4285

## Deuteranomaly

57.2854, 55.0061, 48.6723

## Tritanomaly

60.5260, 54.6831, 54.9418

# Monochromacy



## Original Color

59.4614, 54.8742, 49.0528

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

55.5156, 55.8547, 56.5702

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4614, 54.8742, 49.0528 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(236, 183, 177)` looks like.

```
.text, #text, p{  
    color:rgb(236, 183, 177)  
}
```

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(236, 183, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 183, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4614, 54.8742, 49.0528 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(236, 183, 177) }
```



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

```
.border{ border-color:rgb(236, 183, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 183, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 183, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 183, 177);  
box-shadow:4px 4px 4px 4px rgb(236, 183,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4614, 54.8742, 49.0528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 183, 177) }
```

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

```
.background{ background-color: rgb(236,  
183, 177) }
```

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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