

# Converting Colors

XYZ(47.5043, 38.7918, 31.7099)

Have a look what the booklet for  
XYZ(47.5043, 38.7918, 31.7099)  
contains.

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# Color

**XYZ(47.3972, 38.6489,  
31.7499)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E59091
RGB	229, 144, 145
RGB Percent	90%, 56%, 57%
CMY	0.1020, 0.4353, 0.4314
CMYK	0.00, 0.37, 0.37, 0.10
HSL	359°, 62%, 73%
HSV	359°, 37%, 90%
XYZ	47.3972, 38.6489, 31.7499
YIQ	169.5290, 50.3390, 18.3310

# Conversions

## Conversions Part 2

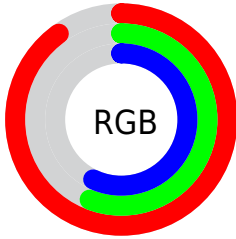
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 144, 145
Decimal	15044753
CIE Lab	68.50, 32.29, 13.06
CIE LCh	68, 34.831, 22.019
Yxy	38.6489, 0.4024, 0.3281
Android (android.graphics.Color)	4293234833 (0xFFE59091)
YUV	169.5290, -12.0928, 52.1561
Hunter-Lab	62.1682, 27.2944, 13.2378

# Details

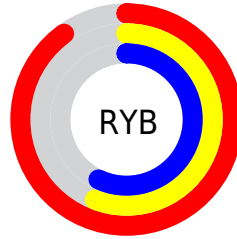
The XYZ color **47.3972, 38.6489, 31.7499** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **53.5263, 67.5702, 83.6239**, and the grayscale version is **38.0158, 39.9956, 43.5552**.

A 20% lighter version of the original color is **71.9722, 66.2304, 63.0232**, and **22.6873, 17.1384, 12.9388** is the 20% darker color. If you saturate the color by 10%, you get **42.6992, 31.7729, 22.4147**, and if you desaturate by 10%, it is **53.1484, 47.0746, 43.1519**.

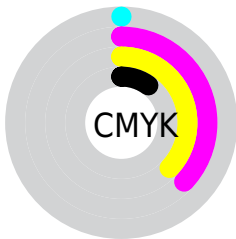
# Distribution



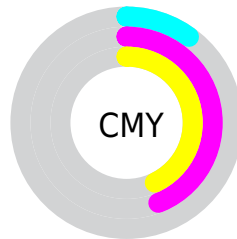
- Red (90%)
- Green (56%)
- Blue (57%)



- Red (90%)
- Yellow (56%)
- Blue (57%)



- Cyan (0%)
- Magenta (37%)
- Yellow (37%)
- Black (10%)




- Cyan (10%)
- Magenta (44%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3972, 38.6489, 31.7499 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 47.3972, 38.6489, 31.7499 by changing the saturation by 10% instead.





 47.3972, 38.6489,  
31.7499


 47.3972, 38.6489,  
31.7499


367.0203,  
340.3954, 324.4359

 33.5590, 26.4867,  
20.9073


 85.5214, 73.1016,  
63.5122

 22.7163, 17.1881,  
12.8657


 110.5380, 96.1610,  
85.2689

 14.5037, 10.3687,  
7.2065


140.0116,  
123.6215, 111.5008

 8.5559, 5.6441,  
3.5112

174.3074,  
155.8676, 142.6263

 4.5074, 2.6299,  
1.3612

213.7909,  
193.2836, 179.0640

 1.9930, 0.9417,  
0.1112

258.8272,

 0.6300, 0.0000,

236.2540, 221.2325

0.0000

309.7819,  
285.1632, 269.5503

■ 0.0000, 0.0000,  
0.0000

■ 47.3972, 38.6489,  
31.7499

■ 47.3972, 38.6489,  
31.7499

■ 42.6992, 31.7729,  
22.4147

■ 53.1484, 47.0746,  
43.1519

■ 38.9876, 26.3470,  
15.0206

■ 60.0079, 57.1304,  
56.7317

■ 36.1933, 22.2691,  
9.4314

■ 68.0307, 68.8977,  
72.5952

■ 34.2363, 19.4212,  
5.4928

■ 77.2673, 82.4512,  
90.8408

■ 33.0235, 17.6652,  
3.0244

■ 86.1231, 95.3980,  
108.4822

■ 32.4353, 16.8216,  
1.8018

■ 32.3278, 16.6639,  
1.5895

# Harmonies

## Analogous

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



48.1917, 38.6489, 46.4139



47.3972, 38.6489, 31.7499



43.6099, 38.6489, 22.4926

# Triad

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



47.3972, 38.6489, 31.7499



29.0378, 38.6489, 26.1057



35.2905, 38.6489, 79.6100

# Complementary

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



47.3972, 38.6489, 31.7499



53.5263, 67.5702, 83.6239

# 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.



30.6228, 38.6489, 70.6387



47.3972, 38.6489, 31.7499



27.2546, 38.6489, 38.0285

# Square

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



47.3972, 38.6489, 31.7499



32.9233, 38.6489, 19.8436



27.8046, 38.6489, 54.4429



40.8293, 38.6489, 76.7253



# Rectangle

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



47.3972, 38.6489, 31.7499



40.0852, 38.6489, 19.4063



27.8046, 38.6489, 54.4429



33.5761, 38.6489, 77.8157

# Sweetspot

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



47.3982, 38.6508, 31.7506



82.5990, 81.7323, 84.2970



55.9800, 42.0315, 79.2912



17.3791, 17.0534, 17.4489



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.



47.3982, 38.6508, 31.7506



55.5066, 42.0301, 30.6183



54.7147, 53.4060, 33.8127



14.3838, 14.3707, 14.9557



18.4865, 9.5288, 0.9249



1.3685, 0.7051, 0.0811



# Inverse Universe

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



47.3982, 38.6508, 31.7506



55.5066, 42.0301, 30.6183



43.6116, 47.5191, 81.0023



14.3838, 14.3707, 14.9557



18.4865, 9.5288, 0.9249



1.3685, 0.7051, 0.0811



# Previews

## White Background



This preview shows how the XYZ color 47.3972, 38.6489, 31.7499 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 47.3972, 38.6489, 31.7499 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 47.3972, 38.6489, 31.7499**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3972, 38.6489, 31.7499.



This preview shows how white text looks on a background with the XYZ color 47.3972, 38.6489,

31.7499.

# 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

47.3972, 38.6489, 31.7499

### Protanopia

37.1381, 38.9560, 37.4602

### Deuteranopia

39.6197, 38.7802, 30.9883



## Tritanopia

48.2054, 38.7678, 35.0792

# Trichromacy



## Original Color

47.3972, 38.6489, 31.7499

## Protanomaly

40.1402, 38.4336, 35.4398

## Deuteranomaly

42.1329, 38.5477, 31.2064

## Tritanomaly

47.9606, 38.6699, 33.7904

# Monochromacy



## Original Color

47.3972, 38.6489, 31.7499

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

40.6637, 39.1393, 39.1296

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3972, 38.6489, 31.7499 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(229, 144, 145)` looks like.

```
.text, #text, p{  
    color:rgb(229, 144, 145)  
}
```

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(229, 144, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 144, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3972, 38.6489, 31.7499 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(229, 144, 145) }
```



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

```
.border{ border-color:rgb(229, 144, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 144, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 144, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 144, 145);  
box-shadow:4px 4px 4px 4px rgb(229, 144,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3972, 38.6489, 31.7499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 144, 145) }
```

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

```
.background{ background-color: rgb(229,  
144, 145) }
```

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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