

# Converting Colors

XYZ(47.2564, 38.4818, 35.9626)

Have a look what the booklet for  
XYZ(47.2564, 38.4818, 35.9626)  
contains.

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# Color

**XYZ(47.2537, 38.4818,  
35.9475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2909B
RGB	226, 144, 155
RGB Percent	89%, 56%, 61%
CMY	0.1137, 0.4353, 0.3922
CMYK	0.00, 0.36, 0.31, 0.11
HSL	352°, 59%, 73%
HSV	352°, 36%, 89%
XYZ	47.2537, 38.4818, 35.9475
YIQ	169.7720, 45.3410, 20.8050

# Conversions

## Conversions Part 2

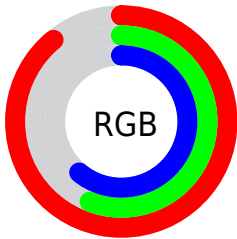
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 144, 155
Decimal	14848155
CIE Lab	68.37, 32.42, 7.24
CIE LCh	68, 33.215, 12.596
Yxy	38.4818, 0.3883, 0.3162
Android (android.graphics.Color)	4293038235 (0xFFE2909B)
YUV	169.7720, -7.2826, 49.3120
Hunter-Lab	62.0337, 27.4120, 9.0660

# Details

The XYZ color **47.2537, 38.4818, 35.9475** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.9655, 65.2293, 74.1978**, and the grayscale version is **38.1152, 40.1001, 43.6690**.

A 20% lighter version of the original color is **73.1720, 66.7103, 69.3414**, and **22.6880, 17.0888, 15.1994** is the 20% darker color. If you saturate the color by 10%, you get **42.6545, 31.7038, 26.9526**, and if you desaturate by 10%, it is **52.8065, 46.7403, 46.5751**.

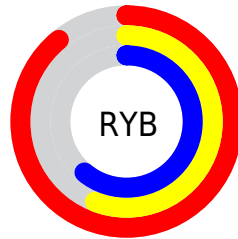
# Distribution



Red (89%)

Green (56%)

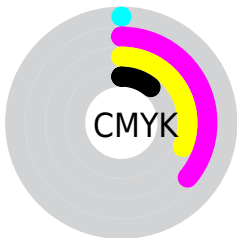
Blue (61%)



Red (89%)

Yellow (56%)

Blue (61%)

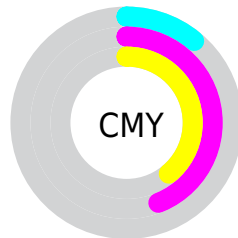


Cyan (0%)

Magenta (36%)

Yellow (31%)

Black (11%)



Cyan (11%)

Magenta (44%)

Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2537, 38.4818, 35.9475 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 47.2537, 38.4818, 35.9475 by changing the saturation by 10% instead.





 47.2537, 38.4818,  
35.9475

 47.2537, 38.4818,  
35.9475


366.4583,  
339.6823, 343.7615

 33.4450, 26.3568,  
24.1043


 85.3086, 72.8460,  
70.1192

 22.6285, 17.0908,  
15.1981


 110.2856, 95.8541,  
93.2847

 14.4386, 10.2992,  
8.8104


139.7161,  
123.2586, 121.0614

 8.5101, 5.5978,  
4.5226

173.9654,  
155.4440, 153.8678

 4.4776, 2.6021,  
1.9162

213.3990,  
192.7947, 192.1225

 1.9757, 0.9277,  
0.5030

258.3820,

 0.6203, 0.0000,

235.6950, 236.2440

0.0000

309.2800,  
284.5294, 286.6508

■ 0.0000, 0.0000,  
0.0000

■ 47.2537, 38.4818,  
35.9475

■ 47.2537, 38.4818,  
35.9475

■ 42.6545, 31.7038,  
26.9526

■ 52.8065, 46.7403,  
46.5751

■ 38.9520, 26.3135,  
19.5070

■ 59.3594, 56.5539,  
58.9087

■ 36.0876, 22.2160,  
13.5232

■ 66.9596, 67.9990,  
73.0198

■ 33.9948, 19.3025,  
8.9041

■ 75.6505, 81.1450,  
88.9751

■ 32.5966, 17.4460,  
5.5404

■ 84.8296, 94.7710,  
106.6234

■ 31.7985, 16.4885,  
3.3054

■ 85.1741, 94.9088,  
108.4378

■ 31.6024, 16.2641,  
2.7225

# Harmonies

## Analogous

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



46.9961, 38.4818, 51.0841



47.2537, 38.4818, 35.9475



44.4601, 38.4818, 25.3219

# Triad

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



47.2537, 38.4818, 35.9475



30.2036, 38.4818, 24.1246



33.6595, 38.4818, 75.6873

# Complementary

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



47.2537, 38.4818, 35.9475



50.9655, 65.2293, 74.1978

# 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.



29.6835, 38.4818, 64.4823



47.2537, 38.4818, 35.9475



27.8223, 38.4818, 33.8886

# Square

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



47.2537, 38.4818, 35.9475



34.4335, 38.4818, 19.6681



27.6414, 38.4818, 48.4761



38.8051, 38.4818, 76.6152



# Rectangle

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



47.2537, 38.4818, 35.9475



41.3848, 38.4818, 21.2360



27.6414, 38.4818, 48.4761



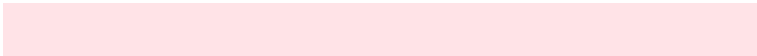
32.1545, 38.4818, 72.8943

# Sweetspot

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



47.2547, 38.4837, 35.9483



83.0785, 81.9240, 86.8220



51.3460, 39.6905, 76.9065



17.4923, 17.0986, 18.0448



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.



47.2547, 38.4837, 35.9483



57.1907, 43.3082, 37.6232



51.2855, 47.9563, 32.9413



13.7817, 13.7303, 14.6206



18.0539, 9.2886, 1.6835



1.2759, 0.6536, 0.2455



# Inverse Universe

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



47.2547, 38.4837, 35.9483



57.1907, 43.3082, 37.6232



45.2651, 51.4907, 79.5047



13.7817, 13.7303, 14.6206



18.0539, 9.2886, 1.6835



1.2759, 0.6536, 0.2455



# Previews

## White Background



This preview shows how the XYZ color 47.2537, 38.4818, 35.9475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

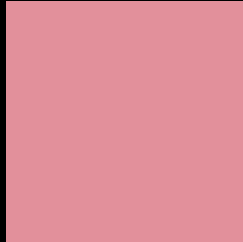
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.2537, 38.4818, 35.9475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

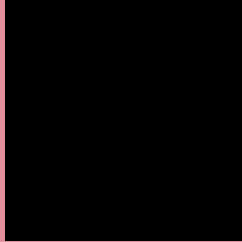
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.2537, 38.4818, 35.9475**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2537, 38.4818, 35.9475.



This preview shows how white text looks on a background with the XYZ color 47.2537, 38.4818,

35.9475.

# 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

47.2537, 38.4818, 35.9475

### Protanopia

37.1888, 38.6085, 42.0513

### Deuteranopia

39.3986, 38.5756, 35.0751



## Tritanopia

47.2537, 38.4818, 35.9475

# Trichromacy



## Original Color

47.2537, 38.4818, 35.9475

## Protanomaly

40.0729, 38.0452, 39.8817

## Deuteranomaly

41.8282, 38.2992, 35.3249

## Tritanomaly

47.2537, 38.4818, 35.9475

# Monochromacy



## Original Color

47.2537, 38.4818, 35.9475

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

40.7716, 39.1535, 41.0058

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2537, 38.4818, 35.9475 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(226, 144, 155)` looks like.

```
.text, #text, p{  
    color:rgb(226, 144, 155)  
}
```

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(226, 144, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 144, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2537, 38.4818, 35.9475 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(226, 144, 155) }
```



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

```
.border{ border-color:rgb(226, 144, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 144, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 144, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 144, 155);  
box-shadow:4px 4px 4px 4px rgb(226, 144,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2537, 38.4818, 35.9475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 144, 155) }
```

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

```
.background{ background-color: rgb(226,  
144, 155) }
```

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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