

# Converting Colors

XYZ(49.9788, 40.7494, 27.4228)

Have a look what the booklet for  
XYZ(49.9788, 40.7494, 27.4228)  
contains.

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# Color

**XYZ(49.9273, 40.7380,  
27.4221)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EE9385
RGB	238, 147, 133
RGB Percent	93%, 58%, 52%
CMY	0.0667, 0.4235, 0.4784
CMYK	0.00, 0.38, 0.44, 0.07
HSL	8°, 76%, 73%
HSV	8°, 44%, 93%
XYZ	49.9273, 40.7380, 27.4221
YIQ	172.6130, 58.7300, 14.9380

# Conversions

## Conversions Part 2

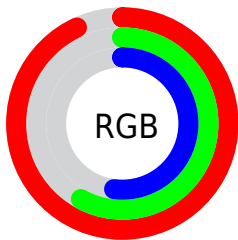
Format	Color
R <sub>Y</sub> B	238, 149, 133
Decimal	15635333
CIE Lab	69.99, 32.78, 21.96
CIE LCh	70, 39.453, 33.822
Yxy	40.7380, 0.4228, 0.3450
Android (android.graphics.Color)	4293825413 (0xFFEE9385)
YUV	172.6130, -19.5292, 57.3444
Hunter-Lab	63.8263, 27.9332, 19.2053

# Details

The XYZ color **49.9273, 40.7380, 27.4221** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **51.7600, 64.4684, 90.6045**, and the grayscale version is **39.5997, 41.6620, 45.3699**.

A 20% lighter version of the original color is **71.2235, 67.0462, 55.6417**, and **24.2439, 18.3927, 10.4560** is the 20% darker color. If you saturate the color by 10%, you get **45.5407, 34.3049, 18.7461**, and if you desaturate by 10%, it is **55.2635, 48.4742, 38.2532**.

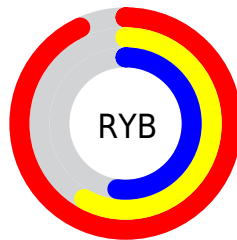
# Distribution



Red (93%)

Green (58%)

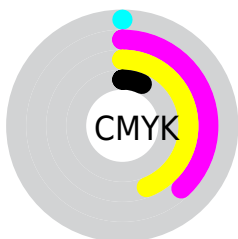
Blue (52%)



Red (93%)

Yellow (58%)

Blue (52%)

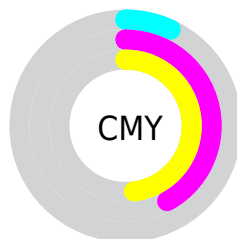


Cyan (0%)

Magenta (38%)

Yellow (44%)

Black (7%)



Cyan (7%)

Magenta (42%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9273, 40.7380, 27.4221 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 49.9273, 40.7380, 27.4221 by changing the saturation by 10% instead.




 49.9273, 40.7380,  
27.4221


 49.9273, 40.7380,  
27.4221


376.8383,  
349.2244, 303.5197


 35.5732, 28.1144,  
17.6553


 89.2596, 76.2860,  
56.5724

 24.2733, 18.4119,  
10.5359

 114.9685, 99.9792,  
76.7930

 15.6623, 11.2461,  
5.6455


 145.1931,  
128.1311, 101.3351

 9.3749, 6.2326,  
2.5654

180.2987,  
161.1261, 130.6175

 5.0455, 2.9871,  
0.8745

220.6507,  
199.3485, 165.0586

 2.3090, 1.1250,  
0.0000

266.6143,

 0.7993, 0.0000,

243.1827, 205.0770

0.0000

318.5551,  
293.0132, 251.0911

■ 0.0000, 0.0000,  
0.0000

■ 49.9273, 40.7380,  
27.4221

■ 49.9273, 40.7380,  
27.4221

■ 45.5407, 34.3049,  
18.7461

■ 55.2635, 48.4742,  
38.2532

■ 42.0444, 29.0971,  
12.0785

■ 61.5978, 57.5735,  
51.3681

■ 39.3772, 25.0380,  
7.2577

■ 68.9789, 68.0995,  
66.8884

■ 37.4685, 22.0397,  
4.0962

■ 77.4516, 80.1101,  
84.9261

■ 36.2354, 20.0012,  
2.3663

■ 87.0580, 93.6599,  
105.5863

■ 35.7696, 19.1965,  
1.8200

■ 89.0699, 96.9172,  
108.6201

# Harmonies

## Analogous

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



52.4137, 40.7380, 42.0382



49.9273, 40.7380, 27.4221



44.4351, 40.7380, 19.5633

# Triad

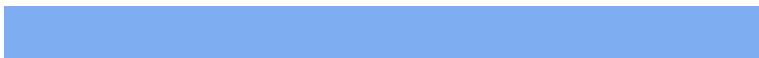
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.9273, 40.7380, 27.4221



28.6504, 40.7380, 30.4971



39.5502, 40.7380, 89.8998

# Complementary

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



49.9273, 40.7380, 27.4221



51.7600, 64.4684, 90.6045

# 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.



33.5177, 40.7380, 84.3281



49.9273, 40.7380, 27.4221



27.6473, 40.7380, 46.7591

# Square

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



49.9273, 40.7380, 27.4221



32.2378, 40.7380, 20.9629



29.3299, 40.7380, 67.1301



46.0182, 40.7380, 80.7576



# Rectangle

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



49.9273, 40.7380, 27.4221



40.0662, 40.7380, 17.6443



29.3299, 40.7380, 67.1301



37.4048, 40.7380, 89.6966

# Sweetspot

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



49.9283, 40.7400, 27.4229



81.6750, 81.0664, 80.3445



57.1022, 40.3344, 75.2969



17.0428, 16.7274, 16.2680



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.



49.9283, 40.7400, 27.4229



53.6919, 40.7540, 22.7580



60.0324, 60.9482, 30.7909



15.9428, 16.0986, 16.4168



20.0083, 10.8146, 1.0329



1.7177, 1.0061, 0.1037

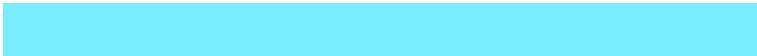


# Inverse Universe

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



51.7600, 64.4684, 90.6045



56.0514, 71.7553, 105.5037



39.7634, 40.4751, 86.6057



16.0571, 17.5483, 20.2625



21.0271, 28.2784, 49.4779



1.7986, 2.4512, 4.1326



# Previews

## White Background



This preview shows how the XYZ color 49.9273, 40.7380, 27.4221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

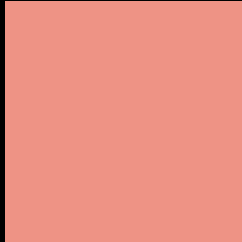
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.9273, 40.7380, 27.4221 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 49.9273, 40.7380, 27.4221**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.9273, 40.7380, 27.4221.



This preview shows how white text looks on a background with the XYZ color 49.9273, 40.7380,

27.4221.

# 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

49.9273, 40.7380, 27.4221

### Protanopia

38.6530, 40.9632, 32.2550

### Deuteranopia

41.6618, 40.7192, 26.7829



## Tritanopia

51.8248, 40.8383, 36.1615

# Trichromacy



**Original Color**

49.9273, 40.7380, 27.4221

**Protanomaly**

42.0111, 40.2907, 30.3736

**Deuteranomaly**

44.3479, 40.5395, 26.9602

**Tritanomaly**

50.9885, 40.7081, 32.7738

# Monochromacy



**Original Color**

49.9273, 40.7380, 27.4221

**Achromatopsia**

39.7200, 41.7885, 45.5077

**Achromatomaly**

42.4730, 40.8899, 38.0017

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.9273, 40.7380, 27.4221 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(238, 147, 133)` looks like.

```
.text, #text, p{  
    color:rgb(238, 147, 133)  
}
```

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(238, 147, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 147, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 49.9273, 40.7380, 27.4221 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(238, 147, 133) }
```



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

```
.border{ border-color:rgb(238, 147, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 147, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 147, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 147, 133);  
box-shadow:4px 4px 4px 4px rgb(238, 147,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.9273, 40.7380, 27.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 147, 133) }
```

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

```
.background{ background-color: rgb(238,  
147, 133) }
```

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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