

# Converting Colors

XYZ(49.8686, 38.2476, 24.4441)

Have a look what the booklet for  
XYZ(49.8686, 38.2476, 24.4441)  
contains.

<b>XYZ(49.8783, 38.3478, 24.5117)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(49.8783, 38.3478,  
24.5117)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F4887E
RGB	244, 136, 126
RGB Percent	96%, 53%, 49%
CMY	0.0431, 0.4666, 0.5059
CMYK	0.00, 0.44, 0.48, 0.04
HSL	5°, 84%, 73%
HSV	5°, 48%, 96%
XYZ	49.8783, 38.3478, 24.5117
YIQ	167.1520, 67.5780, 19.7860

# Conversions

## Conversions Part 2

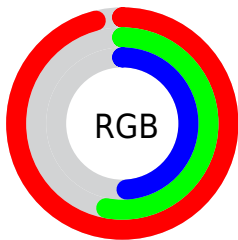
Format	Color
<a href="#">RYB</a>	<a href="#">244, 137, 126</a>
Decimal	<a href="#">16025726</a>
CIELab	<a href="#">68.28, 40.04, 23.64</a>
CIELCh	<a href="#">68, 46.497, 30.556</a>
Yxy	<a href="#">38.3478, 0.4424, 0.3402</a>
Android (android.graphics.Color)	<a href="#">4294215806</a> ( <a href="#">0xFFFF4887E</a> )
YUV	<a href="#">167.1520, -20.2879, 67.3957</a>
Hunter-Lab	<a href="#">61.9256, 35.4040, 19.8795</a>

# Details

The XYZ color **49.8783, 38.3478, 24.5117** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **54.3545, 69.8094, 96.1975**, and the grayscale version is **36.8785, 38.7990, 42.2521**.

A 20% lighter version of the original color is **68.0075, 61.7763, 50.9875**, and **24.2770, 17.0668, 9.0359** is the 20% darker color. If you saturate the color by 10%, you get **45.6675, 32.1462, 16.2648**, and if you desaturate by 10%, it is **55.1301, 46.0172, 35.0004**.

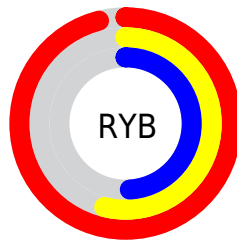
# Distribution



Red (96%)

Green (53%)

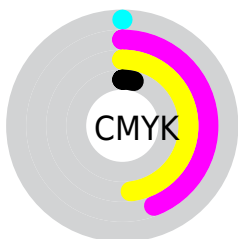
Blue (49%)



Red (96%)

Yellow (54%)

Blue (49%)

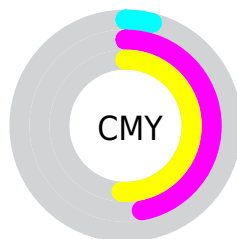


Cyan (0%)

Magenta (44%)

Yellow (48%)

Black (4%)



Cyan (4%)

Magenta (47%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8783, 38.3478, 24.5117 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 49.8783, 38.3478, 24.5117 by changing the saturation by 10% instead.





 49.8783, 38.3478,  
24.5117


 49.8783, 38.3478,  
24.5117


376.6497,  
339.1096, 288.7668


 35.5341, 26.2527,  
15.4979


 89.1874, 72.6409,  
51.8182

 24.2430, 17.0128,  
9.0191


 114.8831, 95.6078,  
70.9480

 15.6397, 10.2436,  
4.6567


 145.0933,  
122.9673, 94.2869

 9.3588, 5.5608,  
1.9921

180.1834,  
155.1040, 122.2535

 5.0349, 2.5799,  
0.5504

220.5187,  
192.4021, 155.2662

 2.3027, 0.9166,  
0.0000

266.4646,

 0.7961, 0.0000,

235.2462, 193.7436

0.0000

318.3865,  
284.0206, 238.1043

■ 0.0000, 0.0000,  
0.0000

■ 49.8783, 38.3478,  
24.5117

■ 49.8783, 38.3478,  
24.5117

■ 45.6675, 32.1462,  
16.2648

■ 55.1301, 46.0172,  
35.0004

■ 42.4255, 27.3131,  
10.0944

■ 61.4831, 55.2337,  
47.8758

■ 40.0752, 23.7463,  
5.8155


■ 68.9962, 66.0778,  
63.2732


■ 38.5265, 21.3266,  
3.2098

■ 77.7234, 78.6227,  
81.3170

■ 37.6640, 19.9097,  
1.9727

■ 87.7151, 92.9374,  
102.1235

 37.5706, 19.7581,  
1.8335

 91.1181, 97.9730,  
108.7160

# Harmonies

## Analogous

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



52.3117, 38.3478, 41.3665



49.8783, 38.3478, 24.5117



43.7706, 38.3478, 15.6714

# Triad

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



49.8783, 38.3478, 24.5117



25.5682, 38.3478, 24.9870



36.5844, 38.3478, 96.0300

# Complementary

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



49.8783, 38.3478, 24.5117



54.3545, 69.8094, 96.1975

# 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.



29.9921, 38.3478, 87.2917



49.8783, 38.3478, 24.5117



24.1678, 38.3478, 42.1444

# Square

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



49.8783, 38.3478, 24.5117



29.7860, 38.3478, 15.8747



25.6755, 38.3478, 65.6269



44.0368, 38.3478, 86.6573



# Rectangle

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



49.8783, 38.3478, 24.5117



38.7936, 38.3478, 13.3817



25.6755, 38.3478, 65.6269



34.1998, 38.3478, 95.0897

# Sweetspot

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



49.8793, 38.3498, 24.5124



79.3234, 77.4397, 76.2419



59.6443, 40.1052, 82.5648



16.5591, 15.9718, 15.4538



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.



49.8793, 38.3498, 24.5124



50.5725, 35.6705, 18.1571



60.5520, 59.6951, 28.0700



16.6121, 16.7082, 17.1470



20.4683, 10.8221, 1.0101



1.8369, 1.0271, 0.1014



# Inverse Universe

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



54.3545, 69.8094, 96.1975



56.0142, 74.1296, 105.9639



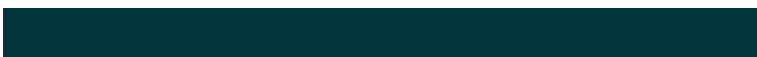
40.2960, 41.6924, 91.5113



16.8695, 18.5033, 21.2249



23.3221, 32.4381, 51.5700



2.0845, 2.9205, 4.5441



# Previews

## White Background



This preview shows how the XYZ color 49.8783, 38.3478, 24.5117 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 49.8783, 38.3478, 24.5117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

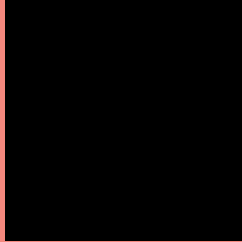
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.8783, 38.3478, 24.5117**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.8783, 38.3478, 24.5117.



This preview shows how white text looks on a background with the XYZ color 49.8783, 38.3478,



# 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

49.8783, 38.3478, 24.5117

### Protanopia

36.4568, 38.7610, 30.3711

### Deuteranopia

39.3724, 38.5525, 23.7786



## Tritanopia

51.0016, 38.1707, 30.6662

# Trichromacy



## Original Color

49.8783, 38.3478, 24.5117

## Protanomaly

40.3490, 37.9437, 28.1189

## Deuteranomaly

42.6661, 38.0104, 23.8269

## Tritanomaly

50.6966, 38.2688, 28.3815

# Monochromacy



## Original Color

49.8783, 38.3478, 24.5117

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

40.0616, 37.6460, 34.8607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.8783, 38.3478, 24.5117 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(244, 136, 126) looks like.

```
.text, #text, p{  
    color:rgb(244, 136, 126)  
}
```

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(244, 136, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 136, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 49.8783, 38.3478, 24.5117 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(244, 136, 126) }
```



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

```
.border{ border-color:rgb(244, 136, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 136, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 136, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 136, 126);  
box-shadow:4px 4px 4px 4px rgb(244, 136,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.8783, 38.3478, 24.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 136, 126) }
```

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

```
.background{ background-color: rgb(244,  
136, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor