

# Converting Colors

XYZ(49.5491, 39.4043, 30.7042)

Have a look what the booklet for  
XYZ(49.5491, 39.4043, 30.7042)  
contains.

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# Color

**XYZ(49.4805, 39.3035,  
30.5696)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED8E8E
RGB	237, 142, 142
RGB Percent	93%, 56%, 56%
CMY	0.0706, 0.4431, 0.4431
CMYK	0.00, 0.40, 0.40, 0.07
HSL	0°, 73%, 74%
HSV	0°, 40%, 93%
XYZ	49.4805, 39.3035, 30.5696
YIQ	170.4050, 56.6200, 20.1400

# Conversions

## Conversions Part 2

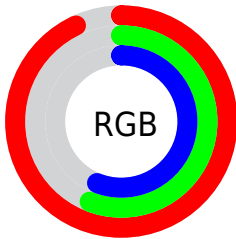
Format	Color
R <sub>Y</sub> B	237, 142, 142
Decimal	15568526
CIE Lab	68.97, 35.97, 15.54
CIE LCh	69, 39.186, 23.365
Yxy	39.3035, 0.4146, 0.3293
Android (android.graphics.Color)	4293758606 (0xFFED8E8E)
YUV	170.4050, -14.0037, 58.4038
Hunter-Lab	62.6925, 31.1705, 14.9743

# Details

The XYZ color **49.4805, 39.3035, 30.5696** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **56.7241, 72.4304, 91.1114**, and the grayscale version is **38.4596, 40.4625, 44.0636**.

A 20% lighter version of the original color is **71.1701, 65.1780, 61.0541**, and **23.9480, 17.5500, 12.2505** is the 20% darker color. If you saturate the color by 10%, you get **44.7277, 32.3492, 21.1201**, and if you desaturate by 10%, it is **55.3632, 47.9121, 42.2628**.

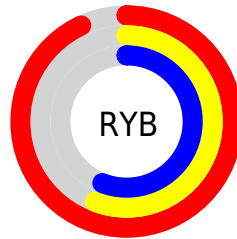
# Distribution



Red (93%)

Green (56%)

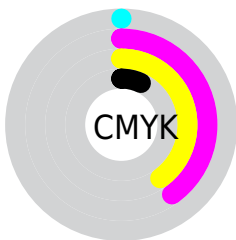
Blue (56%)



Red (93%)

Yellow (56%)

Blue (56%)

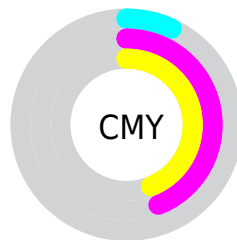


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (7%)



Cyan (7%)

Magenta (44%)


Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4805, 39.3035, 30.5696 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 49.4805, 39.3035, 30.5696 by changing the saturation by 10% instead.





 49.4805, 39.3035,  
30.5696


 49.4805, 39.3035,  
30.5696


375.1165,  
343.1791, 318.8401


 35.2169, 26.9959,  
20.0156


 88.6011, 74.1017,  
61.6334

 23.9973, 17.5702,  
12.2222


 114.1889, 97.3612,  
82.9803

 15.4563, 10.6418,  
6.7708


 144.2820,  
125.0400, 108.7620

 9.2287, 5.8265,  
3.2429

179.2459,  
157.5227, 139.3969

 4.9489, 2.7399,  
1.2200

219.4460,  
195.1935, 175.3037

 2.2518, 0.9975,  
0.0000

265.2476,

 0.7698, 0.0000,

238.4369, 216.9007

0.0000

317.0159,  
287.6373, 264.6067

0.0000, 0.0000,  
0.0000

49.4805, 39.3035,  
30.5696

49.4805, 39.3035,  
30.5696

44.7277, 32.3492,  
21.1201

55.3632, 47.9121,  
42.2628

41.0296, 26.9377,  
13.7686

62.4385, 58.2652,  
56.3281

38.3067, 22.9533,  
8.3560

70.7681, 70.4537,  
72.8871

36.4672, 20.2614,  
4.6994

80.4086, 84.5605,  
92.0522

35.4014, 18.7018,  
2.5811

88.7350, 96.7445,  
108.6045

■ 34.9251, 18.0048,  
1.6345

# Harmonies

## Analogous

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



50.5776, 39.3035, 46.8864



49.4805, 39.3035, 30.5696



44.9782, 39.3035, 20.7301

# Triad

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



49.4805, 39.3035, 30.5696



28.5374, 39.3035, 25.4003



35.9885, 39.3035, 86.7697

# Complementary

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



49.4805, 39.3035, 30.5696



56.7241, 72.4304, 91.1114

# 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.



30.6490, 39.3035, 76.6887



49.4805, 39.3035, 30.5696



26.6675, 39.3035, 38.9485

# Square

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



49.4805, 39.3035, 30.5696



32.8004, 39.3035, 18.3779



27.3953, 39.3035, 57.9094



42.3167, 39.3035, 82.6926



# Rectangle

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



49.4805, 39.3035, 30.5696



40.8955, 39.3035, 17.6042



27.3953, 39.3035, 57.9094



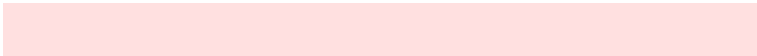
34.0283, 39.3035, 84.8502

# Sweetspot

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



49.4815, 39.3055, 30.5704



81.5126, 80.1911, 81.9880



59.8842, 43.4652, 85.3540



17.1609, 16.7454, 16.9798



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.



49.4815, 39.3055, 30.5704



53.7799, 39.6101, 26.8567



58.1130, 56.5684, 33.4475



15.0656, 15.0542, 15.6304



19.0679, 9.8300, 0.8924



1.4973, 0.7719, 0.0701



# Inverse Universe

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



56.7241, 72.4304, 91.1114



63.4176, 83.6896, 107.4190



44.7470, 48.4762, 87.1190



15.5177, 17.1218, 19.4092



24.8776, 36.4021, 49.4581



1.9535, 2.8585, 3.8837



# Previews

## White Background



This preview shows how the XYZ color 49.4805, 39.3035, 30.5696 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

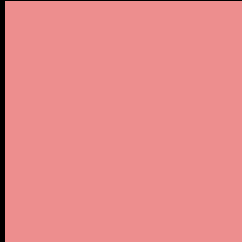
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.4805, 39.3035, 30.5696 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 49.4805, 39.3035, 30.5696**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.4805, 39.3035, 30.5696.



This preview shows how white text looks on a background with the XYZ color 49.4805, 39.3035,



# 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

49.4805, 39.3035, 30.5696

### Protanopia

37.5982, 39.4858, 36.6502

### Deuteranopia

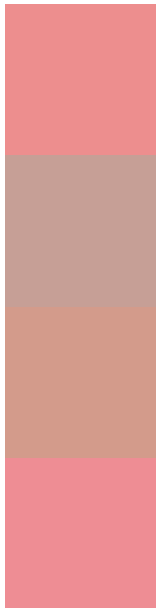
40.2727, 39.4114, 29.5293



## Tritanopia

50.3707, 39.4613, 34.2401

# Trichromacy



**Original Color**

49.4805, 39.3035, 30.5696

**Protanomaly**

41.1919, 39.0040, 34.2116

**Deuteranomaly**

43.2455, 39.1557, 29.7046

**Tritanomaly**

50.1301, 39.3650, 32.9730

# Monochromacy



**Original Color**

49.4805, 39.3035, 30.5696

**Achromatopsia**

38.2080, 40.1978, 43.7754

**Achromatomaly**

41.1641, 39.1490, 38.6446

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.4805, 39.3035, 30.5696 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(237, 142, 142)` looks like.

```
.text, #text, p{  
    color:rgb(237, 142, 142)  
}
```

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(237, 142, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 142, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 49.4805, 39.3035, 30.5696 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(237, 142, 142) }
```



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

```
.border{ border-color:rgb(237, 142, 142) }
```

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

Here you see how a box with a 4 pixel rgb(237, 142, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 142, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 142, 142);  
box-shadow:4px 4px 4px 4px rgb(237, 142,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.4805, 39.3035, 30.5696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 142, 142) }
```

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

```
.background{ background-color: rgb(237,  
142, 142) }
```

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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