

# Converting Colors

$Y_{xy}(39.7977, 0.4557, 0.3759)$

Have a look what the booklet for  
Yxy(39.7977, 0.4557, 0.3759)  
contains.

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# **Color**

**Yxy(39.8678, 0.4560, 0.3766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF9266
RGB	239, 146, 102
RGB Percent	94%, 57%, 40%
CMY	0.0628, 0.4274, 0.6000
CMYK	0.00, 0.39, 0.57, 0.06
HSL	19°, 81%, 67%
HSV	19°, 57%, 94%
XYZ	48.2733, 39.8678, 17.7214
YIQ	168.7910, 69.5520, 6.0320

# Conversions

## Conversions Part 2

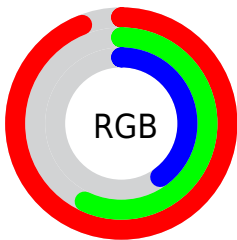
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 167, 102
Decimal	15700582
CIE <sub>Lab</sub>	69.38, 30.93, 38.00
CIE <sub>LCh</sub>	69, 48.998, 50.858
Yxy	39.8678, 0.4560, 0.3766
Android (android.graphics.Color)	4293890662 (0xFFEF9266)
YUV	168.7910, -32.9280, 61.5733
Hunter-Lab	63.1410, 25.9723, 27.5581

# Details

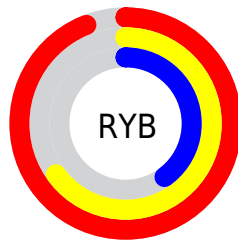
The Yxy color **39.8678, 0.4560, 0.3766** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.0831, 0.2286, 0.2710**, and the grayscale version is **39.7089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3664, 0.3930, 0.3780**, and **17.8555, 0.4967, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **34.8100, 0.4920, 0.3812**, and if you desaturate by 10%, it is **45.7760, 0.4223, 0.3695**.

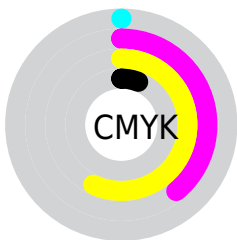
# Distribution



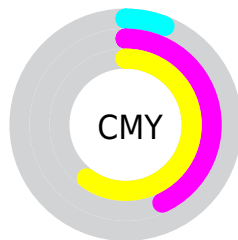
- Red (94%)
- Green (57%)
- Blue (40%)



- Red (94%)
- Yellow (65%)
- Blue (40%)



- Cyan (0%)
- Magenta (39%)
- Yellow (57%)
- Black (6%)



- Cyan (6%)
- Magenta (43%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8678, 0.4560, 0.3766 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 Yxy color 39.8678, 0.4560, 0.3766 by changing the saturation by 10% instead.





 39.8678, 0.4560,  
0.3766


 39.8678, 0.4560,  
0.3766


345.5661, 0.3829,  
0.3572

 27.4355, 0.4740,  
0.3796


 74.9622, 0.4295,  
0.3708

 17.9006, 0.4965,  
0.3822


 98.3930, 0.4195,  
0.3683

 10.8786, 0.5254,  
0.3835


 126.2588, 0.4110,  
0.3659

 5.9853, 0.5626,  
0.3811

 158.9440, 0.4037,  
0.3638

 2.8361, 0.6232,  
0.3768

196.8329, 0.3975,  
0.3619

 1.0468, 0.6674,  
0.3326

240.3099, 0.3920,

 0.0000, 1.0000,

0.3602

0.0000

289.7595, 0.3872,  
0.3586

0.0000, 0.0000,  
0.0000

39.8678, 0.4560,  
0.3766

39.8678, 0.4560,  
0.3766

34.8100, 0.4920,  
0.3812

45.7760, 0.4223,  
0.3695

30.5547, 0.5281,  
0.3820

52.5673, 0.3922,  
0.3611

27.0580, 0.5610,  
0.3781

60.2797, 0.3660,  
0.3522

24.2667, 0.5874,  
0.3695

68.9471, 0.3437,  
0.3433

23.6261, 0.5936,  
0.3668

78.6018, 0.3247,  
0.3349

■ 89.2743, 0.3087,  
0.3269

■ 97.0903, 0.3029,  
0.3290

# Harmonies

## Analogous

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



39.8678, 0.4363, 0.3229



39.8678, 0.4560, 0.3766



39.8678, 0.4322, 0.4271

# Triad

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



39.8678, 0.4560, 0.3766



39.8678, 0.2444, 0.3925



39.8678, 0.2403, 0.2200

# Complementary

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



39.8678, 0.4560, 0.3766



48.0831, 0.2286, 0.2710

# 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.



39.8678, 0.2005, 0.2250



39.8678, 0.4560, 0.3766



39.8678, 0.2018, 0.3163

# Square

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



39.8678, 0.4560, 0.3766



39.8678, 0.3085, 0.4501



39.8678, 0.1873, 0.2565



39.8678, 0.3035, 0.2378



# Rectangle

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



39.8678, 0.4560, 0.3766



39.8678, 0.3980, 0.4519



39.8678, 0.1873, 0.2565



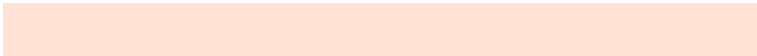
39.8678, 0.2241, 0.2189

# Sweetspot

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



39.8698, 0.4560, 0.3766



80.1577, 0.3431, 0.3431



31.8214, 0.3654, 0.2313



16.7030, 0.3473, 0.3449



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8698, 0.4560, 0.3766



39.3124, 0.4990, 0.3817



67.3429, 0.4089, 0.4441



16.5877, 0.3285, 0.3366



13.2665, 0.5908, 0.3691



1.2769, 0.5652, 0.3894



# Inverse Universe

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



48.0831, 0.2286, 0.2710



49.4927, 0.2154, 0.2564



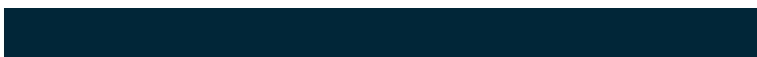
24.2659, 0.2081, 0.1761



17.0229, 0.2981, 0.3212



18.0160, 0.1946, 0.2206



1.6778, 0.1990, 0.2365



# Previews

## White Background



This preview shows how the Yxy color 39.8678, 0.4560, 0.3766 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 Yxy color 39.8678, 0.4560, 0.3766 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

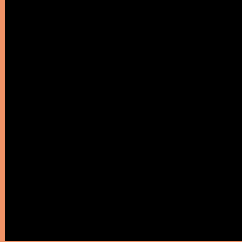
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.8678, 0.4560, 0.3766**

## Background



This preview shows how black text looks on a background with the Yxy color 39.8678, 0.4560, 0.3766.



This preview shows how white text looks on a background with the Yxy color 39.8678, 0.4560, 0.3766.

# 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

39.8678, 0.4560, 0.3766

### Protanopia

40.0875, 0.3780, 0.4094

### Deuteranopia

40.0069, 0.4162, 0.4071



## Tritanopia

39.8354, 0.4115, 0.3183

# Trichromacy



## Original Color

39.8678, 0.4560, 0.3766

## Protanomaly

39.4098, 0.4058, 0.3964

## Deuteranomaly

39.7571, 0.4314, 0.3952

## Tritanomaly

39.7402, 0.4284, 0.3393

# Monochromacy



## Original Color

39.8678, 0.4560, 0.3766

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

39.0034, 0.3603, 0.3504

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8678, 0.4560, 0.3766 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(239, 146, 102)` looks like.

```
.text, #text, p{  
    color:rgb(239, 146, 102)  
}
```

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(239, 146, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 146, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8678, 0.4560, 0.3766 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(239, 146, 102) }
```

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

```
.border{ border-color:rgb(239, 146, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 146, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 146, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 146, 102);  
box-shadow:4px 4px 4px 4px rgb(239, 146,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8678, 0.4560, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 146, 102) }
```

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

```
.background{ background-color: rgb(239,  
146, 102) }
```

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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