

# Converting Colors

$Yxy(38.3942, 0.4811, 0.4131)$

Have a look what the booklet for  
Yxy(38.3942, 0.4811, 0.4131)  
contains.

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# Color

**Yxy(38.3934, 0.4803, 0.4131)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E89340
RGB	232, 147, 64
RGB Percent	91%, 58%, 25%
CMY	0.0902, 0.4235, 0.7490
CMYK	0.00, 0.37, 0.72, 0.09
HSL	30°, 79%, 58%
HSV	30°, 72%, 91%
XYZ	44.6389, 38.3934, 9.9074
YIQ	162.9530, 77.3030, -7.7930

# Conversions

## Conversions Part 2

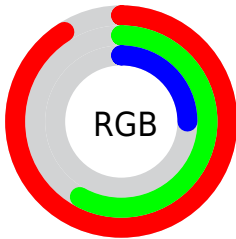
Format	Color
R <sub>Y</sub> B	232, 228, 64
Decimal	15242048
CIE Lab	68.31, 25.25, 55.41
CIE LCh	68, 60.888, 65.500
Yxy	38.3934, 0.4803, 0.4131
Android (android.graphics.Color)	4293432128 (0xFFE89340)
YUV	162.9530, -48.7838, 60.5542
Hunter-Lab	61.9624, 20.1607, 33.8936

# Details

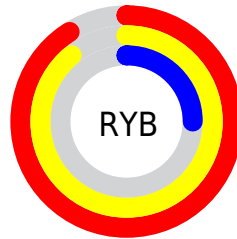
The Yxy color **38.3934, 0.4803, 0.4131** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **28.4099, 0.2013, 0.2086**, and the grayscale version is **36.8109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2942, 0.4210, 0.4146**, and **17.0346, 0.5204, 0.4220** is the 20% darker color. If you saturate the color by 10%, you get **34.7176, 0.5067, 0.4151**, and if you desaturate by 10%, it is **42.5555, 0.4524, 0.4065**.

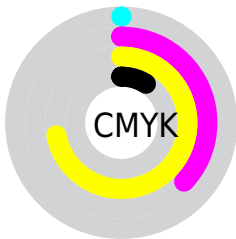
# Distribution



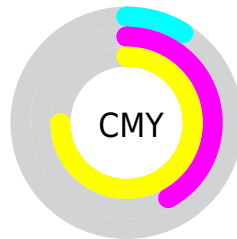
- Red (91%)
- Green (58%)
- Blue (25%)



- Red (91%)
- Yellow (89%)
- Blue (25%)



- Cyan (0%)
- Magenta (37%)
- Yellow (72%)
- Black (9%)



- Cyan (9%)
- Magenta (42%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3934, 0.4803, 0.4131 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 38.3934, 0.4803, 0.4131 by changing the saturation by 10% instead.





 38.3934, 0.4803,  
0.4131


 38.3934, 0.4803,  
0.4131


339.3046, 0.3975,  
0.3787


 26.2882, 0.4988,  
0.4180


 72.7107, 0.4514,  
0.4032

 17.0393, 0.5207,  
0.4218


 95.6916, 0.4401,  
0.3986


 10.2625, 0.5465,  
0.4228


 123.0664, 0.4305,  
0.3945

 5.5734, 0.5797,  
0.4203

 155.2197, 0.4221,  
0.3907

 2.5874, 0.6040,  
0.3960

 192.5358, 0.4147,  
0.3872

 0.9204, 0.6449,  
0.3551

235.3990, 0.4083,

 0.0000, 1.0000,

0.3841

0.0000

284.1938, 0.4026,  
0.3813

■ 0.0000, 0.0000,  
0.0000

■ 38.3934, 0.4803,  
0.4131

■ 38.3934, 0.4803,  
0.4131

■ 34.7176, 0.5067,  
0.4151

■ 42.5555, 0.4524,  
0.4065

■ 31.4963, 0.5297,  
0.4116


■ 47.2206, 0.4246,  
0.3964

■ 29.3331, 0.5446,  
0.4058


■ 52.4116, 0.3983,  
0.3843


■ 58.1476, 0.3741,  
0.3710

■ 64.4466, 0.3524,  
0.3576

 71.3258, 0.3332,  
0.3444

 78.8013, 0.3164,  
0.3319

 86.8886, 0.3018,  
0.3202

 94.4025, 0.2987,  
0.3266

# Harmonies

## Analogous

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



38.3934, 0.4866, 0.3488



38.3934, 0.4803, 0.4131



38.3934, 0.4268, 0.4714

# Triad

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



38.3934, 0.4803, 0.4131



38.3934, 0.1981, 0.3603



38.3934, 0.2572, 0.2049

# Complementary

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



38.3934, 0.4803, 0.4131



28.4099, 0.2013, 0.2086

# 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.



38.3934, 0.1957, 0.1963



38.3934, 0.4803, 0.4131



38.3934, 0.1653, 0.2699

# Square

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



38.3934, 0.4803, 0.4131



38.3934, 0.2639, 0.4560



38.3934, 0.1652, 0.2158



38.3934, 0.3451, 0.2372



# Rectangle

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



38.3934, 0.4803, 0.4131



38.3934, 0.3757, 0.4948



38.3934, 0.1652, 0.2158



38.3934, 0.2333, 0.1992

# Sweetspot

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



38.3954, 0.4803, 0.4131



80.1080, 0.3518, 0.3572



23.0507, 0.4272, 0.2420



16.6747, 0.3574, 0.3608



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.



38.3954, 0.4803, 0.4131



40.9435, 0.5188, 0.4140



73.6785, 0.4104, 0.4855



15.5382, 0.3280, 0.3406



16.5352, 0.5421, 0.4078



1.4076, 0.5194, 0.4258



# Inverse Universe

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



28.4099, 0.2013, 0.2086



27.9161, 0.1859, 0.1798



10.9063, 0.1745, 0.1019



15.0864, 0.2981, 0.3171



10.5989, 0.1778, 0.1602



0.9691, 0.1851, 0.1864



# Previews

## White Background



This preview shows how the Yxy color 38.3934, 0.4803, 0.4131 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 38.3934, 0.4803, 0.4131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

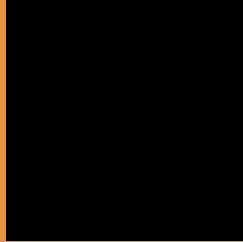
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.3934, 0.4803, 0.4131**

## Background



This preview shows how black text looks on a background with the Yxy color 38.3934, 0.4803, 0.4131.



This preview shows how white text looks on a background with the Yxy color 38.3934, 0.4803, 0.4131.

# 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

38.3934, 0.4803, 0.4131

### Protanopia

38.5187, 0.4135, 0.4528

### Deuteranopia

38.5431, 0.4482, 0.4401



## Tritanopia

38.3196, 0.4096, 0.3180

# Trichromacy



**Original Color**

38.3934, 0.4803, 0.4131

**Protanomaly**

38.2555, 0.4379, 0.4380

**Deuteranomaly**

38.5422, 0.4600, 0.4303

**Tritanomaly**

37.9963, 0.4405, 0.3562

# Monochromacy



**Original Color**

38.3934, 0.4803, 0.4131

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

36.3376, 0.3733, 0.3703

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.3934, 0.4803, 0.4131 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(232, 147, 64)` looks like.

```
.text, #text, p{  
    color:rgb(232, 147, 64)  
}
```

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(232, 147, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 147, 64) }
```

## Border

The CSS property to change the border of an element to Yxy 38.3934, 0.4803, 0.4131 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(232, 147, 64) }
```

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

```
.border{ border-color:rgb(232, 147, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 147, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 147, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 147, 64);  
box-shadow:4px 4px 4px 4px rgb(232, 147,  
64) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.3934, 0.4803, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 147, 64) }
```

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

```
.background{ background-color: rgb(232,  
147, 64) }
```

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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