

# Converting Colors

$Y_{xy}(41.1875, 0.4961, 0.4246)$

Have a look what the booklet for  
Yxy(41.1875, 0.4961, 0.4246)  
contains.

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# Color

**Yxy(41.1849, 0.4961, 0.4246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2972B
RGB	242, 151, 43
RGB Percent	95%, 59%, 17%
CMY	0.0510, 0.4078, 0.8316
CMYK	0.00, 0.38, 0.82, 0.05
HSL	33°, 88%, 56%
HSV	33°, 82%, 95%
XYZ	48.1202, 41.1849, 7.6919
YIQ	165.8970, 88.9040, -14.2960

# Conversions

## Conversions Part 2

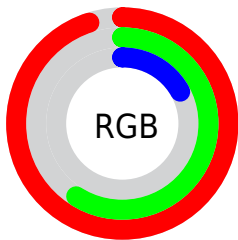
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 242, 43
Decimal	15898411
CIE Lab	70.31, 26.50, 66.12
CIE LCh	70, 71.237, 68.162
Yxy	41.1849, 0.4961, 0.4246
Android (android.graphics.Color)	4294088491 (0xFFFF2972B)
YUV	165.8970, -60.5882, 66.7423
Hunter-Lab	64.1755, 21.5362, 37.8165

# Details

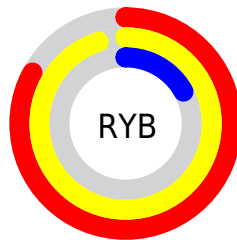
The Yxy color **41.1849, 0.4961, 0.4246** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **23.9529, 0.1867, 0.1751**, and the grayscale version is **38.3451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8045, 0.4297, 0.4332**, and **18.8176, 0.5242, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **37.6639, 0.5168, 0.4222**, and if you desaturate by 10%, it is **45.1494, 0.4722, 0.4216**.

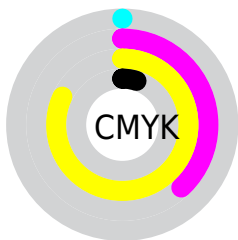
# Distribution



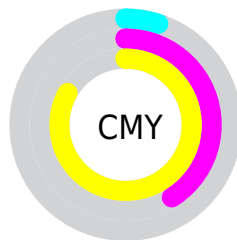
- Red (95%)
- Green (59%)
- Blue (17%)



- Red (83%)
- Yellow (95%)
- Blue (17%)



- Cyan (0%)
- Magenta (38%)
- Yellow (82%)
- Black (5%)



- Cyan (5%)
- Magenta (41%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1849, 0.4961, 0.4246 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 41.1849, 0.4961, 0.4246 by changing the saturation by 10% instead.




 41.1849, 0.4961,  
0.4246


 41.1849, 0.4961,  
0.4246

351.0928, 0.4091,  
0.3883


 28.4636, 0.5140,  
0.4286


 76.9645, 0.4669,  
0.4150

 18.6754, 0.5341,  
0.4307


 100.7916, 0.4552,  
0.4103

 11.4360, 0.5596,  
0.4315


 129.0894, 0.4449,  
0.4059

 6.3609, 0.5801,  
0.4199

 162.2423, 0.4359,  
0.4018

 3.0657, 0.6031,  
0.3969

 200.6347, 0.4280,  
0.3980

 1.1662, 0.6409,  
0.3591

 244.6510, 0.4209,

 0.0338, 0.9526,

0.3945

0.0474

294.6755, 0.4147,  
0.3913

■ 0.0000, 0.0000,  
0.0000

■ 41.1849, 0.4961,  
0.4246

■ 41.1849, 0.4961,  
0.4246

■ 37.6639, 0.5168,  
0.4222

■ 45.1494, 0.4722,  
0.4216


■ 35.2133, 0.5304,  
0.4170

■ 49.5760, 0.4465,  
0.4139

■ 54.4888, 0.4207,  
0.4027


■ 59.9076, 0.3958,  
0.3893

■ 65.8507, 0.3727,  
0.3749

 72.3351, 0.3516,  
0.3601

 79.3772, 0.3328,  
0.3457

 86.9922, 0.3162,  
0.3320

 94.8198, 0.3048,  
0.3247

# Harmonies

## Analogous

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



41.1849, 0.5119, 0.3536



41.1849, 0.4961, 0.4246



41.1849, 0.4303, 0.4917

# Triad

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



41.1849, 0.4961, 0.4246



41.1849, 0.1786, 0.3531



41.1849, 0.2572, 0.1935

# Complementary

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



41.1849, 0.4961, 0.4246



23.9529, 0.1867, 0.1751

# 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.



41.1849, 0.1867, 0.1813



41.1849, 0.4961, 0.4246



41.1849, 0.1474, 0.2531

# Square

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



41.1849, 0.4961, 0.4246



41.1849, 0.2477, 0.4688



41.1849, 0.1510, 0.1983



41.1849, 0.3584, 0.2308



# Rectangle

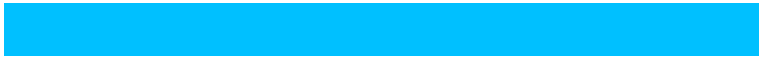
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.1849, 0.4961, 0.4246



41.1849, 0.3715, 0.5193



41.1849, 0.1510, 0.1983



41.1849, 0.2297, 0.1864

# Sweetspot

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



41.1870, 0.4961, 0.4246



79.3492, 0.3573, 0.3643



22.3731, 0.4676, 0.2496



16.4313, 0.3647, 0.3695



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.



41.1870, 0.4961, 0.4246



39.9067, 0.5291, 0.4175



81.4037, 0.4098, 0.5011



17.1808, 0.3280, 0.3418



19.1935, 0.5281, 0.4189



1.7955, 0.5099, 0.4334



# Inverse Universe

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



23.9529, 0.1867, 0.1751



20.1802, 0.1730, 0.1422



8.8009, 0.1627, 0.0788



16.4191, 0.2980, 0.3158



9.7727, 0.1733, 0.1438



1.0096, 0.1802, 0.1688



# Previews

## White Background



This preview shows how the Yxy color 41.1849, 0.4961, 0.4246 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 41.1849, 0.4961, 0.4246 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 41.1849, 0.4961, 0.4246**

## Background



This preview shows how black text looks on a background with the Yxy color 41.1849, 0.4961, 0.4246.



This preview shows how white text looks on a background with the Yxy color 41.1849, 0.4961, 0.4246.

# 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

41.1849, 0.4961, 0.4246

### Protanopia

41.4380, 0.4271, 0.4724

### Deuteranopia

41.0797, 0.4641, 0.4535



## Tritanopia

41.2406, 0.4157, 0.3185

# Trichromacy



**Original Color**

41.1849, 0.4961, 0.4246

**Protanomaly**

40.9564, 0.4529, 0.4545

**Deuteranomaly**

41.1115, 0.4757, 0.4432

**Tritanomaly**

41.0135, 0.4533, 0.3642

# Monochromacy



**Original Color**

41.1849, 0.4961, 0.4246

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

38.3395, 0.3835, 0.3825

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.1849, 0.4961, 0.4246 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(242, 151, 43)` looks like.

```
.text, #text, p{  
    color:rgb(242, 151, 43)  
}
```

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(242, 151, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 151, 43) }
```

## Border

The CSS property to change the border of an element to Yxy 41.1849, 0.4961, 0.4246 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(242, 151, 43) }
```

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

```
.border{ border-color:rgb(242, 151, 43) }
```

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

Here you see how a box with a 4 pixel rgb(242, 151, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 151, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 151, 43);  
box-shadow:4px 4px 4px 4px rgb(242, 151,  
43) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.1849, 0.4961, 0.4246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 151, 43) }
```

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

```
.background{ background-color: rgb(242,  
151, 43) }
```

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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