

# Converting Colors

$Yxy(41.2288, 0.4793, 0.4209)$

Have a look what the booklet for  
Yxy(41.2288, 0.4793, 0.4209)  
contains.

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# Color

**Yxy(41.2703, 0.4792, 0.4211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC9A3C
RGB	236, 154, 60
RGB Percent	93%, 60%, 24%
CMY	0.0745, 0.3961, 0.7645
CMYK	0.00, 0.35, 0.75, 0.07
HSL	32°, 82%, 58%
HSV	32°, 75%, 93%
XYZ	46.9644, 41.2703, 9.7712
YIQ	167.8020, 79.0460, -11.8500

# Conversions

## Conversions Part 2

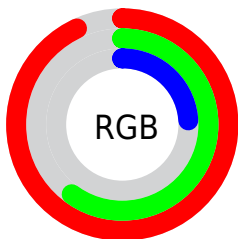
Format	Color
R <sub>Y</sub> B	214, 236, 60
Decimal	15505980
CIE Lab	70.36, 23.03, 59.36
CIE LCh	70, 63.672, 68.800
Yxy	41.2703, 0.4792, 0.4211
Android (android.graphics.Color)	4293696060 (0xFFEC9A3C)
YUV	167.8020, -53.1464, 59.8096
Hunter-Lab	64.2420, 18.0700, 35.9514

# Details

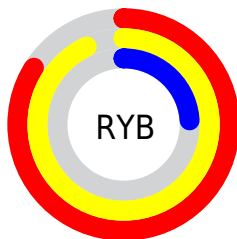
The Yxy color **41.2703, 0.4792, 0.4211** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.3757, 0.1961, 0.1938**, and the grayscale version is **39.2956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0532, 0.4181, 0.4245**, and **18.8145, 0.5145, 0.4297** is the 20% darker color. If you saturate the color by 10%, you get **37.6101, 0.5029, 0.4228**, and if you desaturate by 10%, it is **45.3786, 0.4534, 0.4145**.

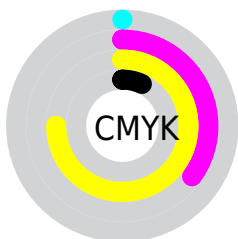
# Distribution



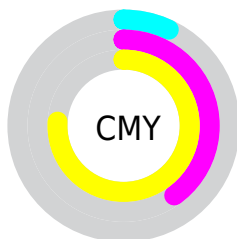
- Red (93%)
- Green (60%)
- Blue (24%)



- Red (84%)
- Yellow (93%)
- Blue (24%)



- Cyan (0%)
- Magenta (35%)
- Yellow (75%)
- Black (7%)




- Cyan (7%)
- Magenta (40%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2703, 0.4792, 0.4211 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 41.2703, 0.4792, 0.4211 by changing the saturation by 10% instead.




 41.2703, 0.4792,  
0.4211


 41.2703, 0.4792,  
0.4211

351.4491, 0.3987,  
0.3836

 28.5304, 0.4966,  
0.4265


 77.0940, 0.4516,  
0.4102

 18.7258, 0.5167,  
0.4310


 100.9466, 0.4407,  
0.4053


 11.4723, 0.5400,  
0.4330


 129.2722, 0.4313,  
0.4007

 6.3855, 0.5686,  
0.4314

 162.4552, 0.4230,  
0.3966

 3.0809, 0.5891,  
0.4109

 200.8800, 0.4158,  
0.3929

 1.1741, 0.6231,  
0.3769

244.9310, 0.4094,

 0.0404, 0.9370,

0.3895

0.0630

294.9925, 0.4038,  
0.3864

0.0000, 0.0000,  
0.0000

41.2703, 0.4792,  
0.4211

41.2703, 0.4792,  
0.4211

37.6101, 0.5029,  
0.4228

45.3786, 0.4534,  
0.4145

34.3667, 0.5232,  
0.4190


49.9502, 0.4272,  
0.4042

32.7610, 0.5329,  
0.4151


55.0070, 0.4017,  
0.3915


60.5667, 0.3780,  
0.3774

66.6464, 0.3563,  
0.3629

 73.2616, 0.3369,  
0.3487

 80.4275, 0.3198,  
0.3350

 88.1583, 0.3048,  
0.3221

 95.2927, 0.3011,  
0.3270

# Harmonies

## Analogous

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



41.2703, 0.4922, 0.3558



41.2703, 0.4792, 0.4211



41.2703, 0.4205, 0.4791

# Triad

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



41.2703, 0.4792, 0.4211



41.2703, 0.1905, 0.3494



41.2703, 0.2649, 0.2053

# Complementary

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



41.2703, 0.4792, 0.4211



26.3757, 0.1961, 0.1938

# 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.



41.2703, 0.1990, 0.1937



41.2703, 0.4792, 0.4211



41.2703, 0.1612, 0.2605

# Square

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



41.2703, 0.4792, 0.4211



41.2703, 0.2540, 0.4500



41.2703, 0.1647, 0.2099



41.2703, 0.3563, 0.2405



# Rectangle

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



41.2703, 0.4792, 0.4211



41.2703, 0.3671, 0.4999



41.2703, 0.1647, 0.2099



41.2703, 0.2394, 0.1986

# Sweetspot

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



41.2724, 0.4792, 0.4211



81.3387, 0.3513, 0.3594



23.0269, 0.4465, 0.2501



16.9648, 0.3568, 0.3633



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.



41.2724, 0.4792, 0.4211



42.9155, 0.5132, 0.4216



77.1633, 0.4057, 0.4931



16.3861, 0.3279, 0.3416



18.3204, 0.5306, 0.4169



1.6309, 0.5110, 0.4325



# Inverse Universe

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



26.3757, 0.1961, 0.1938



24.4648, 0.1809, 0.1638



10.4475, 0.1730, 0.0951



15.7061, 0.2980, 0.3161



9.7363, 0.1741, 0.1469



0.9554, 0.1814, 0.1730



# Previews

## White Background



This preview shows how the Yxy color 41.2703, 0.4792, 0.4211 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 41.2703, 0.4792, 0.4211 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 41.2703, 0.4792, 0.4211**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.2703, 0.4792, 0.4211.



This preview shows how white text looks on a background with the Yxy color 41.2703, 0.4792, 0.4211.

# 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

41.2703, 0.4792, 0.4211

### Protanopia

41.4753, 0.4176, 0.4602

### Deuteranopia

41.4453, 0.4532, 0.4437



## Tritanopia

41.1903, 0.4042, 0.3171

# Trichromacy



**Original Color**

41.2703, 0.4792, 0.4211

**Protanomaly**

41.0412, 0.4404, 0.4457

**Deuteranomaly**

41.1351, 0.4629, 0.4351

**Tritanomaly**

41.0611, 0.4377, 0.3601

# Monochromacy



**Original Color**

41.2703, 0.4792, 0.4211

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

39.1168, 0.3740, 0.3746

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2703, 0.4792, 0.4211 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(236, 154, 60)` looks like.

```
.text, #text, p{  
    color:rgb(236, 154, 60)  
}
```

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(236, 154, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 154, 60) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2703, 0.4792, 0.4211 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(236, 154, 60) }
```

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

```
.border{ border-color:rgb(236, 154, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 154, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 154, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 154, 60);  
box-shadow:4px 4px 4px 4px rgb(236, 154,  
60) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2703, 0.4792, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 154, 60) }
```

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

```
.background{ background-color: rgb(236,  
154, 60) }
```

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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