

# Converting Colors

$Y_{xy}(35.8794, 0.5307, 0.3952)$

Have a look what the booklet for  
Yxy(35.8794, 0.5307, 0.3952)  
contains.

|  |    |
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# **Color**

**Yxy(35.7990, 0.5304, 0.3950)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FC7E2C                     |
| RGB         | 252, 126, 44               |
| RGB Percent | 99%, 49%, 17%              |
| CMY         | 0.0116, 0.5060, 0.8274     |
| CMYK        | 0.00, 0.50, 0.83, 0.01     |
| HSL         | 24°, 97%, 58%              |
| HSV         | 24°, 83%, 99%              |
| XYZ         | 48.0704, 35.7990, 6.7610   |
| YIQ         | 154.3260, 101.4180, 1.2100 |

# Conversions

## Conversions Part 2

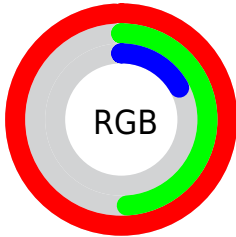
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 252, 179, 44                   |
| Decimal                             | 16547372                       |
| CIE Lab                             | 66.37, 43.34, 62.81            |
| CIE LCh                             | 66, 76.314, 55.394             |
| Yxy                                 | 35.7990, 0.5304,<br>0.3950     |
| Android<br>(android.graphics.Color) | 4294737452<br>(0xFFFC7E2C)     |
| YUV                                 | 154.3260, -54.3907,<br>85.6601 |
| Hunter-Lab                          | 59.8323, 38.7038,<br>35.1828   |

# Details

The Yxy color **35.7990, 0.5304, 0.3950** 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 **36.3442, 0.1979, 0.2180**, and the grayscale version is **32.6764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1708, 0.4475, 0.4121**, and **15.5889, 0.5716, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **32.0537, 0.5577, 0.3892**, and if you desaturate by 10%, it is **40.2593, 0.4989, 0.3954**.

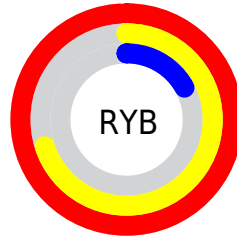
# Distribution



Red (99%)

Green (49%)

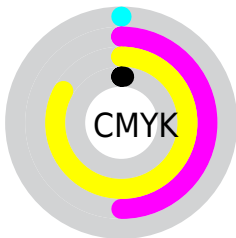
Blue (17%)



Red (99%)

Yellow (70%)

Blue (17%)

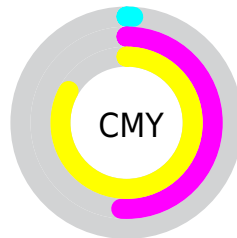


Cyan (0%)

Magenta (50%)

Yellow (83%)

Black (1%)



Cyan (1%)

Magenta (51%)


Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7990, 0.5304, 0.3950 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 35.7990, 0.5304, 0.3950 by changing the saturation by 10% instead.





 35.7990, 0.5304,  
0.3950


 35.7990, 0.5304,  
0.3950


328.0812, 0.4234,  
0.3758

 24.2790, 0.5534,  
0.3941


 68.7217, 0.4937,  
0.3922

 15.5407, 0.5799,  
0.3896


 90.8932, 0.4792,  
0.3898


 9.1997, 0.6168,  
0.3832


 117.3840, 0.4666,  
0.3873

 4.8717, 0.6429,  
0.3571

 148.5785, 0.4556,  
0.3848

 2.1722, 0.6815,  
0.3185

 184.8611, 0.4460,  
0.3824

 0.7048, 0.7465,  
0.2535

 226.6161, 0.4376,

 0.0000, 1.0000,

0.3801

0.0000

274.2280, 0.4301,  
0.3779

■ 0.0000, 0.0000,  
0.0000

■ 35.7990, 0.5304,  
0.3950

■ 35.7990, 0.5304,  
0.3950

■ 32.0537, 0.5577,  
0.3892

■ 40.2593, 0.4989,  
0.3954


■ 29.6836, 0.5746,  
0.3820


■ 45.4722, 0.4660,  
0.3911


■ 51.4783, 0.4339,  
0.3835


■ 58.3131, 0.4041,  
0.3738

■ 66.0097, 0.3774,  
0.3631

 74.5989, 0.3541,  
0.3522

 84.1101, 0.3340,  
0.3415

 94.5711, 0.3167,  
0.3314

 99.4420, 0.3109,  
0.3290

# Harmonies

## Analogous

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



35.7990, 0.5197, 0.3210



35.7990, 0.5304, 0.3950



35.7990, 0.4743, 0.4740

# Triad

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



35.7990, 0.5304, 0.3950



35.7990, 0.1909, 0.4141



35.7990, 0.2132, 0.1722

# Complementary

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



35.7990, 0.5304, 0.3950



36.3442, 0.1979, 0.2180

# 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.



35.7990, 0.1543, 0.1711



35.7990, 0.5304, 0.3950



35.7990, 0.1411, 0.2836

# Square

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



35.7990, 0.5304, 0.3950



35.7990, 0.2796, 0.5276



35.7990, 0.1310, 0.2037



35.7990, 0.3117, 0.2012



# Rectangle

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



35.7990, 0.5304, 0.3950



35.7990, 0.4153, 0.5212



35.7990, 0.1310, 0.2037



35.7990, 0.1892, 0.1686

# Sweetspot

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



35.8010, 0.5304, 0.3950



74.3332, 0.3596, 0.3549



25.4950, 0.4199, 0.2206



15.2414, 0.3677, 0.3587



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.



35.8010, 0.5304, 0.3950



30.7719, 0.5725, 0.3829



76.2427, 0.4321, 0.4824



18.3471, 0.3284, 0.3384



15.7249, 0.5716, 0.3844



1.6564, 0.5496, 0.4018



# Inverse Universe

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



36.3442, 0.1979, 0.2180



30.8566, 0.1871, 0.1932



11.7358, 0.1646, 0.0933



18.3935, 0.2980, 0.3194



15.7749, 0.1873, 0.1943



1.6676, 0.1922, 0.2120



# Previews

## White Background



This preview shows how the Yxy color 35.7990, 0.5304, 0.3950 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 35.7990, 0.5304, 0.3950 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 35.7990, 0.5304, 0.3950**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.7990, 0.5304, 0.3950.



This preview shows how white text looks on a background with the Yxy color 35.7990, 0.5304, 0.3950.

# 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

35.7990, 0.5304, 0.3950

### Protanopia

35.9215, 0.4229, 0.4658

### Deuteranopia

35.7241, 0.4650, 0.4544



## Tritanopia

35.7232, 0.4633, 0.3215

# Trichromacy



## Original Color

35.7990, 0.5304, 0.3950

## Protanomaly

34.9906, 0.4640, 0.4381

## Deuteranomaly

35.1444, 0.4906, 0.4315

## Tritanomaly

35.5901, 0.4946, 0.3534

# Monochromacy



## Original Color

35.7990, 0.5304, 0.3950

## Achromatopsia

32.3143, 0.3127, 0.3290

## Achromatomaly

32.1086, 0.3951, 0.3705

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.7990, 0.5304, 0.3950 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(252, 126, 44)` looks like.

```
.text, #text, p{  
    color:rgb(252, 126, 44)  
}
```

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(252, 126, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 126, 44) }
```

## Border

The CSS property to change the border of an element to Yxy 35.7990, 0.5304, 0.3950 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(252, 126, 44) }
```

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

```
.border{ border-color:rgb(252, 126, 44) }
```

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

Here you see how a box with a 4 pixel rgb(252, 126, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 126, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 126, 44);  
box-shadow:4px 4px 4px 4px rgb(252, 126,  
44) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.7990, 0.5304, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 126, 44) }
```

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

```
.background{ background-color: rgb(252,  
126, 44) }
```

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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