

# Converting Colors

$Y_{xy}(42.4190, 0.4791, 0.3807)$

Have a look what the booklet for  
Yxy(42.4190, 0.4791, 0.3807)  
contains.

<b>Yxy(42.3011, 0.4790, 0.3799)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(42.3011, 0.4790, 0.3799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF915D
RGB	255, 145, 93
RGB Percent	100%, 57%, 36%
CMY	0.0001, 0.4313, 0.6353
CMYK	0.00, 0.43, 0.64, 0.00
HSL	19°, 100%, 68%
HSV	19°, 64%, 100%
XYZ	53.3357, 42.3011, 15.7112
YIQ	171.9620, 82.2520, 7.1480

# Conversions

## Conversions Part 2

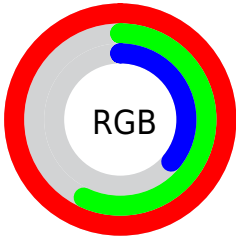
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 170, 93
Decimal	16748893
CIE Lab	71.08, 37.07, 45.23
CIE LCh	71, 58.486, 50.661
Yxy	42.3011, 0.4790, 0.3799
Android (android.graphics.Color)	4294938973 (0xFFFF915D)
YUV	171.9620, -38.9283, 72.8243
Hunter-Lab	65.0393, 32.5607, 31.2051

# Details

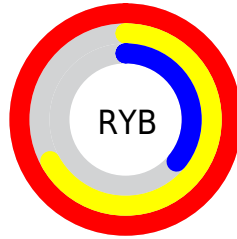
The Yxy color **42.3011, 0.4790, 0.3799** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **52.2421, 0.2212, 0.2632**, and the grayscale version is **41.4068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6129, 0.4004, 0.3861**, and **19.3480, 0.5227, 0.3836** is the 20% darker color. If you saturate the color by 10%, you get **37.0302, 0.5155, 0.3822**, and if you desaturate by 10%, it is **48.5331, 0.4435, 0.3743**.

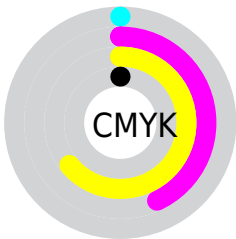
# Distribution



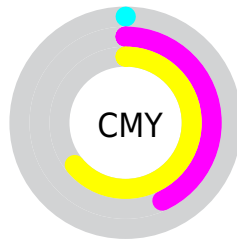
- Red (100%)
- Green (57%)
- Blue (36%)



- Red (100%)
- Yellow (67%)
- Blue (36%)



- Cyan (0%)
- Magenta (43%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (43%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3011, 0.4790, 0.3799 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 42.3011, 0.4790, 0.3799 by changing the saturation by 10% instead.




 42.3011, 0.4790,  
0.3799


 42.3011, 0.4790,  
0.3799


355.7296, 0.3958,  
0.3612

 29.3371, 0.4987,  
0.3820


 78.6551, 0.4493,  
0.3750

 19.3360, 0.5228,  
0.3830


 102.8140, 0.4380,  
0.3725

 11.9133, 0.5527,  
0.3817


 131.4732, 0.4283,  
0.3702

 6.6847, 0.5912,  
0.3760

 165.0173, 0.4200,  
0.3681

 3.2657, 0.6399,  
0.3601

203.8306, 0.4127,  
0.3662

 1.2720, 0.6850,  
0.3150

248.2975, 0.4064,

 0.1193, 0.8963,

0.3643

0.1037

298.8023, 0.4008,  
0.3627

0.0000, 0.0000,  
0.0000

42.3011, 0.4790,  
0.3799

42.3011, 0.4790,  
0.3799

37.0302, 0.5155,  
0.3822

48.5331, 0.4435,  
0.3743

32.6616, 0.5501,  
0.3801

55.7670, 0.4109,  
0.3666

29.1394, 0.5791,  
0.3729

64.0491, 0.3821,  
0.3578

27.2723, 0.5943,  
0.3663

73.4208, 0.3573,  
0.3489

83.9209, 0.3362,  
0.3401

 95.5865, 0.3183,  
0.3318

99.9959, 0.3127,  
0.3290

# Harmonies

## Analogous

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



42.3011, 0.4570, 0.3196



42.3011, 0.4790, 0.3799



42.3011, 0.4496, 0.4389

# Triad

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



42.3011, 0.4790, 0.3799



42.3011, 0.2331, 0.4047



42.3011, 0.2286, 0.2048

# Complementary

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



42.3011, 0.4790, 0.3799



52.2421, 0.2212, 0.2632

# 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.



42.3011, 0.1846, 0.2097



42.3011, 0.4790, 0.3799



42.3011, 0.1854, 0.3130

# Square

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



42.3011, 0.4790, 0.3799



42.3011, 0.3062, 0.4736



42.3011, 0.1699, 0.2442



42.3011, 0.3006, 0.2248



# Rectangle

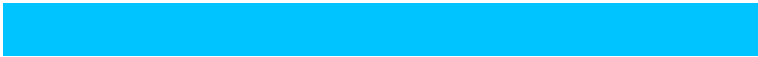
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.3011, 0.4790, 0.3799



42.3011, 0.4094, 0.4702



42.3011, 0.1699, 0.2442



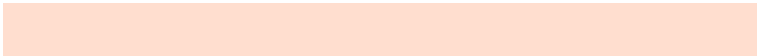
42.3011, 0.2106, 0.2035

# Sweetspot

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



42.3033, 0.4790, 0.3799



78.0431, 0.3473, 0.3449



33.4307, 0.3737, 0.2231



16.0749, 0.3535, 0.3474



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.



42.3033, 0.4790, 0.3799



35.8728, 0.5244, 0.3822



76.0504, 0.4189, 0.4538



18.9392, 0.3286, 0.3367



14.4907, 0.5913, 0.3687



1.5987, 0.5693, 0.3862



# Inverse Universe

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



52.2421, 0.2212, 0.2632



46.2553, 0.2089, 0.2477



23.6384, 0.1963, 0.1567



19.4401, 0.2980, 0.3212



19.6941, 0.1945, 0.2203



2.1154, 0.1984, 0.2341



# Previews

## White Background



This preview shows how the Yxy color 42.3011, 0.4790, 0.3799 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 42.3011, 0.4790, 0.3799 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 42.3011, 0.4790, 0.3799**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.3011, 0.4790, 0.3799.



This preview shows how white text looks on a background with the Yxy color 42.3011, 0.4790, 0.3799.

# 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

42.3011, 0.4790, 0.3799

### Protanopia

42.3277, 0.3894, 0.4218

### Deuteranopia

42.2732, 0.4291, 0.4205



## Tritanopia

42.2182, 0.4239, 0.3189

# Trichromacy



## Original Color

42.3011, 0.4790, 0.3799

## Protanomaly

41.3914, 0.4224, 0.4058

## Deuteranomaly

41.8499, 0.4480, 0.4042

## Tritanomaly

42.1910, 0.4458, 0.3428

# Monochromacy



## Original Color

42.3011, 0.4790, 0.3799

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

40.3804, 0.3699, 0.3537

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.3011, 0.4790, 0.3799 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(255, 145, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 93)  
}
```

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(255, 145, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 93) }
```

## Border

The CSS property to change the border of an element to Yxy 42.3011, 0.4790, 0.3799 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(255, 145, 93) }
```

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

```
.border{ border-color:rgb(255, 145, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
93) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.3011, 0.4790, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 93) }
```

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

```
.background{ background-color: rgb(255,  
145, 93) }
```

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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