

Converting Colors

$Yxy(51.1450, 0.4833, 0.4371)$

Have a look what the booklet for
Yxy(51.1450, 0.4833, 0.4371)
contains.

Yxy(51.3290, 0.4830, 0.4377)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.3290, 0.4830, 0.4377)

Conversions

Conversions Part 1

Format	Color
Hex	FFAD2C
RGB	255, 173, 44
RGB Percent	100%, 68%, 17%
CMY	0.0000, 0.3216, 0.8277
CMYK	0.00, 0.32, 0.83, 0.00
HSL	37°, 100%, 59%
HSV	37°, 83%, 100%
XYZ	56.6413, 51.3290, 9.2995
YIQ	182.8120, 90.2810, -22.7350

Conversions

Conversions Part 2

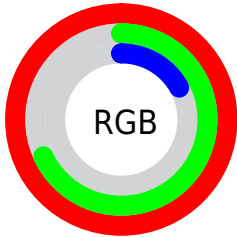
Format	Color
RYB	178, 255, 44
Decimal	16756012
CIELab	76.88, 20.42, 72.06
CIELCh	77, 74.896, 74.174
Yxy	51.3290, 0.4830, 0.4377
Android (android.graphics.Color)	4294946092 (0xFFFFAD2C)
YUV	182.8120, -68.4343, 63.3089
Hunter-Lab	71.6443, 15.7431, 42.4551

Details

The Yxy color **51.3290, 0.4830, 0.4377** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **22.6627, 0.1808, 0.1544**, and the grayscale version is **47.5871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7061, 0.4129, 0.4494**, and **25.0122, 0.5045, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **47.5328, 0.5002, 0.4365**, and if you desaturate by 10%, it is **55.5245, 0.4626, 0.4336**.

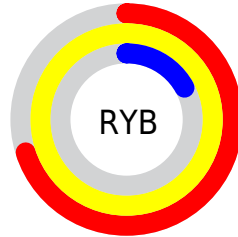
Distribution



Red (100%)

Green (68%)

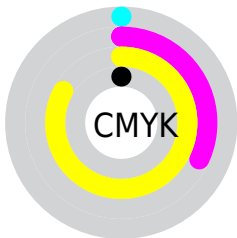
Blue (17%)



Red (70%)

Yellow (100%)

Blue (17%)

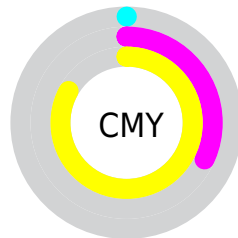


Cyan (0%)

Magenta (32%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3290, 0.4830, 0.4377 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 51.3290, 0.4830, 0.4377 by changing the saturation by 10% instead.


 51.3290, 0.4830,
0.4377


 51.3290, 0.4830,
0.4377


391.8407, 0.4063,
0.3958

 36.4705, 0.4979,
0.4433

 92.1409, 0.4581,
0.4260


 24.7978, 0.5143,
0.4479


 118.8631, 0.4478,
0.4206

 15.9265, 0.5323,
0.4504


 150.3087, 0.4387,
0.4155

 9.4721, 0.5515,
0.4485

 186.8620, 0.4307,
0.4109

 5.0504, 0.5655,
0.4345

 228.9074, 0.4235,
0.4066

 2.2769, 0.5874,
0.4126

 276.8295, 0.4171,

 0.7614, 0.6275,

0.4027

0.3725

331.0124, 0.4114,
0.3991

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.3290, 0.4830,
0.4377

■ 51.3290, 0.4830,
0.4377

■ 47.5328, 0.5002,
0.4365

■ 55.5245, 0.4626,
0.4336

■ 45.0120, 0.5106,
0.4327

■ 60.1439, 0.4402,
0.4247

■ 65.2083, 0.4169,
0.4122

■ 70.7367, 0.3940,
0.3974

76.7463, 0.3721,
0.3813

83.2533, 0.3519,
0.3649

90.2727, 0.3335,
0.3487

97.8187, 0.3170,
0.3331

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



51.3290, 0.5098, 0.3676



51.3290, 0.4830, 0.4377



51.3290, 0.4121, 0.4991

Triad

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



51.3290, 0.4830, 0.4377



51.3290, 0.1721, 0.3302



51.3290, 0.2764, 0.2014

Complementary

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



51.3290, 0.4830, 0.4377



22.6627, 0.1808, 0.1544

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.



51.3290, 0.2002, 0.1841



51.3290, 0.4830, 0.4377



51.3290, 0.1485, 0.2407

Square

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



51.3290, 0.4830, 0.4377



51.3290, 0.2332, 0.4450



51.3290, 0.1583, 0.1949



51.3290, 0.3788, 0.2426

Rectangle

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



51.3290, 0.4830, 0.4377



51.3290, 0.3526, 0.5176



51.3290, 0.1583, 0.1949



51.3290, 0.2473, 0.1928

Sweetspot

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



51.3290, 0.4830, 0.4377



81.7551, 0.3563, 0.3685



24.6258, 0.4923, 0.2632



17.0058, 0.3633, 0.3743



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.



51.3290, 0.4830, 0.4377



45.3513, 0.5092, 0.4333



89.1761, 0.4002, 0.5090



19.8362, 0.3279, 0.3435



23.8184, 0.5087, 0.4343



2.5314, 0.4958, 0.4446

Inverse Universe

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



22.6627, 0.1808, 0.1544



16.4728, 0.1672, 0.1213



10.1432, 0.1668, 0.0800



18.5351, 0.2979, 0.3141



8.7111, 0.1674, 0.1225



1.0527, 0.1736, 0.1449

Previews

White Background



This preview shows how the Yxy color 51.3290, 0.4830, 0.4377 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 51.3290, 0.4830, 0.4377 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 51.3290, 0.4830, 0.4377

Background



This preview shows how black text looks on a background with the Yxy color 51.3290, 0.4830, 0.4377.



This preview shows how white text looks on a background with the Yxy color 51.3290, 0.4830, 0.4377.

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

51.3290, 0.4830, 0.4377

Protanopia

51.7711, 0.4303, 0.4750

Deuteranopia

51.3210, 0.4654, 0.4538



Tritanopia

51.2654, 0.3881, 0.3187

Trichromacy



Original Color

51.3290, 0.4830, 0.4377

Protanomaly

51.1442, 0.4500, 0.4606

Deuteranomaly

51.0169, 0.4721, 0.4479

Tritanomaly

50.7976, 0.4323, 0.3718

Monochromacy



Original Color

51.3290, 0.4830, 0.4377

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.4615, 0.3800, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3290, 0.4830, 0.4377 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, 173, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 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(255, 173, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 44) }
```

Border

The CSS property to change the border of an element to Yxy 51.3290, 0.4830, 0.4377 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, 173, 44) }
```

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

```
.border{ border-color:rgb(255, 173, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3290, 0.4830, 0.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 44) }
```

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

```
.background{ background-color: rgb(255,  
173, 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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