

Converting Colors

$Y_{xy}(47.2308, 0.4990, 0.4333)$

Have a look what the booklet for
Yxy(47.2308, 0.4990, 0.4333)
contains.

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Color

Yxy(47.1894, 0.4990, 0.4330)

Conversions

Conversions Part 1

Format	Color
Hex	FFA21D
RGB	255, 162, 29
RGB Percent	100%, 64%, 11%
CMY	0.0000, 0.3647, 0.8859
CMYK	0.00, 0.36, 0.89, 0.00
HSL	35°, 100%, 56%
HSV	35°, 89%, 100%
XYZ	54.3822, 47.1894, 7.4108
YIQ	174.6450, 98.1210, -21.6470

Conversions

Conversions Part 2

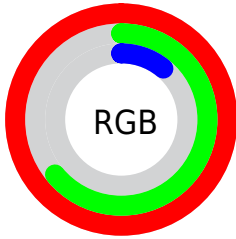
Format	Color
RYB	187, 255, 29
Decimal	16753181
CIELab	74.31, 25.82, 74.05
CIELCh	74, 78.423, 70.777
Yxy	47.1894, 0.4990, 0.4330
Android (android.graphics.Color)	4294943261 (0xFFFFA21D)
YUV	174.6450, -71.8030, 70.4713
Hunter-Lab	68.6945, 21.0946, 41.6899

Details

The Yxy color **47.1894, 0.4990, 0.4330** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **21.4238, 0.1769, 0.1484**, and the grayscale version is **43.0241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6239, 0.4259, 0.4492**, and **22.3583, 0.5198, 0.4255** is the 20% darker color. If you saturate the color by 10%, you get **43.5652, 0.5152, 0.4283**, and if you desaturate by 10%, it is **51.2288, 0.4792, 0.4325**.

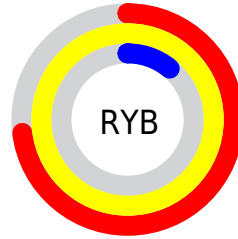
Distribution



Red (100%)

Green (64%)

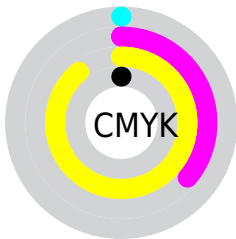
Blue (11%)



Red (73%)

Yellow (100%)

Blue (11%)

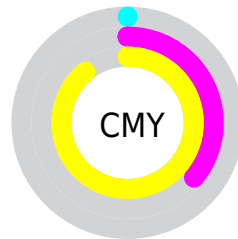


Cyan (0%)

Magenta (36%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1894, 0.4990, 0.4330 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 47.1894, 0.4990, 0.4330 by changing the saturation by 10% instead.


 47.1894, 0.4990,
0.4330

 47.1894, 0.4990,
0.4330


375.5700, 0.4144,
0.3953


 33.1854, 0.5152,
0.4369


 85.9963, 0.4716,
0.4234

 22.2685, 0.5330,
0.4388


 111.5679, 0.4603,
0.4186

 14.0543, 0.5552,
0.4397


 141.7643, 0.4502,
0.4140

 8.1585, 0.5712,
0.4288

 176.9697, 0.4414,
0.4096

 4.1965, 0.5902,
0.4098

 217.5686, 0.4335,
0.4056

 1.7841, 0.6202,
0.3798

 263.9453, 0.4264,

 0.4772, 0.6989,

0.4019

0.3011

316.4844, 0.4201,
0.3985

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.1894, 0.4990,
0.4330

■ 47.1894, 0.4990,
0.4330

■ 43.5652, 0.5152,
0.4283


■ 51.2288, 0.4792,
0.4325


■ 43.0808, 0.5174,
0.4274


■ 55.7075, 0.4567,
0.4267


■ 60.6522, 0.4328,
0.4167

■ 66.0840, 0.4087,
0.4036

 72.0224, 0.3856,
0.3886

 78.4851, 0.3639,
0.3728

 85.4887, 0.3442,
0.3570

 93.0489, 0.3264,
0.3416

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



47.1894, 0.5227, 0.3592



47.1894, 0.4990, 0.4330



47.1894, 0.4262, 0.5032

Triad

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



47.1894, 0.4990, 0.4330



47.1894, 0.1682, 0.3428



47.1894, 0.2625, 0.1906

Complementary

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



47.1894, 0.4990, 0.4330



21.4238, 0.1769, 0.1484

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.



47.1894, 0.1864, 0.1755



47.1894, 0.4990, 0.4330



47.1894, 0.1399, 0.2419

Square

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



47.1894, 0.4990, 0.4330



47.1894, 0.2362, 0.4680



47.1894, 0.1467, 0.1897



47.1894, 0.3703, 0.2311

Rectangle

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



47.1894, 0.4990, 0.4330



47.1894, 0.3639, 0.5306



47.1894, 0.1467, 0.1897



47.1894, 0.2329, 0.1826

Sweetspot

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



47.1918, 0.4990, 0.4330



79.5629, 0.3607, 0.3703



23.5787, 0.5040, 0.2625



16.5383, 0.3677, 0.3757



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.



47.1918, 0.4990, 0.4330



43.0823, 0.5174, 0.4274



89.4690, 0.4040, 0.5118



19.7635, 0.3279, 0.3430



22.8128, 0.5153, 0.4290



2.4366, 0.5014, 0.4401

Inverse Universe

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



21.4238, 0.1769, 0.1484



17.3170, 0.1684, 0.1263



8.7301, 0.1593, 0.0706



18.6059, 0.2979, 0.3146



9.3253, 0.1693, 0.1293



1.1169, 0.1754, 0.1515

Previews

White Background



This preview shows how the Yxy color 47.1894, 0.4990, 0.4330 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 47.1894, 0.4990, 0.4330 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 47.1894, 0.4990, 0.4330

Background



This preview shows how black text looks on a background with the Yxy color 47.1894, 0.4990, 0.4330.



This preview shows how white text looks on a background with the Yxy color 47.1894, 0.4990, 0.4330.

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

47.1894, 0.4990, 0.4330

Protanopia

47.5241, 0.4336, 0.4804

Deuteranopia

47.3047, 0.4695, 0.4608



Tritanopia

47.0515, 0.4030, 0.3187

Trichromacy



Original Color

47.1894, 0.4990, 0.4330

Protanomaly

47.0078, 0.4580, 0.4626

Deuteranomaly

47.3326, 0.4804, 0.4507

Tritanomaly

46.6117, 0.4502, 0.3722

Monochromacy



Original Color

47.1894, 0.4990, 0.4330

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.9920, 0.3882, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1894, 0.4990, 0.4330 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, 162, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 29)  
}
```

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, 162, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 29) }
```

Border

The CSS property to change the border of an element to Yxy 47.1894, 0.4990, 0.4330 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, 162, 29) }
```

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

```
.border{ border-color:rgb(255, 162, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1894, 0.4990, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 29) }
```

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

```
.background{ background-color: rgb(255,  
162, 29) }
```

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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