

Converting Colors

$Yxy(48.8515, 0.4883, 0.4357)$

Have a look what the booklet for
Yxy(48.8515, 0.4883, 0.4357)
contains.

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Color

Yxy(49.0411, 0.4879, 0.4359)

Conversions

Conversions Part 1

Format	Color
Hex	FDA828
RGB	253, 168, 40
RGB Percent	99%, 66%, 16%
CMY	0.0079, 0.3411, 0.8434
CMYK	0.00, 0.34, 0.84, 0.01
HSL	36°, 98%, 57%
HSV	36°, 84%, 99%
XYZ	54.8914, 49.0411, 8.5729
YIQ	178.8230, 91.7480, -21.7880

Conversions

Conversions Part 2

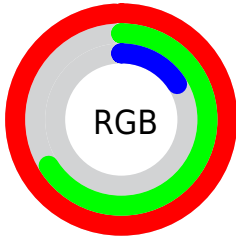
Format	Color
R _Y B	181, 253, 40
Decimal	16623656
CIE Lab	75.48, 22.09, 72.00
CIE LCh	75, 75.309, 72.947
Yxy	49.0411, 0.4879, 0.4359
Android (android.graphics.Color)	4294813736 (0xFFFDA828)
YUV	178.8230, -68.4397, 65.0532
Hunter-Lab	70.0294, 17.3630, 41.7623

Details

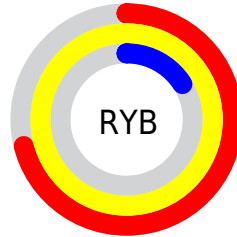
The Yxy color **49.0411, 0.4879, 0.4359** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **22.1848, 0.1801, 0.1541**, and the grayscale version is **45.3123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9172, 0.4179, 0.4484**, and **23.5671, 0.5099, 0.4333** is the 20% darker color. If you saturate the color by 10%, you get **45.3416, 0.5050, 0.4337**, and if you desaturate by 10%, it is **53.1471, 0.4674, 0.4327**.

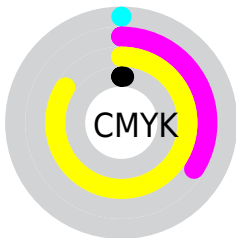
Distribution



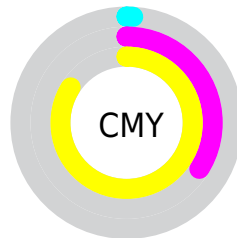
- Red (99%)
- Green (66%)
- Blue (16%)



- Red (71%)
- Yellow (99%)
- Blue (16%)



- Cyan (0%)
- Magenta (34%)
- Yellow (84%)
- Black (1%)





- Cyan (1%)
- Magenta (34%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0411, 0.4879, 0.4359 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 49.0411, 0.4879, 0.4359 by changing the saturation by 10% instead.


 49.0411, 0.4879,
0.4359

 49.0411, 0.4879,
0.4359

382.9041, 0.4084,
0.3952

 34.6521, 0.5033,
0.4410


 88.7525, 0.4620,
0.4248


 23.3950, 0.5204,
0.4448


 114.8437, 0.4514,
0.4195


 14.8854, 0.5398,
0.4467


 145.6043, 0.4420,
0.4146

 8.7390, 0.5582,
0.4418

 181.4189, 0.4336,
0.4100

 4.5714, 0.5741,
0.4259

 222.6718, 0.4262,
0.4058

 1.9980, 0.5991,
0.4009

 269.7473, 0.4196,

 0.6063, 0.6540,

0.4020

0.3460

323.0300, 0.4137,
0.3985

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.0411, 0.4879,
0.4359

■ 49.0411, 0.4879,
0.4359

■ 45.3416, 0.5050,
0.4337


■ 53.1471, 0.4674,
0.4327

■ 43.3666, 0.5136,
0.4304


■ 57.6774, 0.4447,
0.4247

■ 62.6562, 0.4211,
0.4129


■ 68.1026, 0.3978,
0.3985

 74.0344, 0.3755,
0.3828

 80.4679, 0.3549,
0.3666

 87.4184, 0.3361,
0.3506

 94.9004, 0.3193,
0.3352

 99.6217, 0.3115,
0.3290

Harmonies

Analogous

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



49.0411, 0.5133, 0.3647



49.0411, 0.4879, 0.4359



49.0411, 0.4168, 0.5000

Triad

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



49.0411, 0.4879, 0.4359



49.0411, 0.1714, 0.3345



49.0411, 0.2718, 0.1981

Complementary

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



49.0411, 0.4879, 0.4359



22.1848, 0.1801, 0.1541

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.



49.0411, 0.1958, 0.1817



49.0411, 0.4879, 0.4359



49.0411, 0.1461, 0.2416

Square

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



49.0411, 0.4879, 0.4359



49.0411, 0.2347, 0.4522



49.0411, 0.1548, 0.1937



49.0411, 0.3756, 0.2389

Rectangle

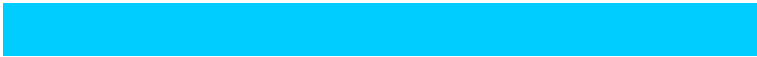
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0411, 0.4879, 0.4359



49.0411, 0.3565, 0.5213



49.0411, 0.1548, 0.1937



49.0411, 0.2426, 0.1897

Sweetspot

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



49.0436, 0.4879, 0.4359



81.3890, 0.3564, 0.3679



23.8786, 0.4967, 0.2637



16.9182, 0.3635, 0.3736



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.



49.0436, 0.4879, 0.4359



44.1385, 0.5136, 0.4304



87.5036, 0.4006, 0.5104



19.8037, 0.3279, 0.3433



23.3634, 0.5117, 0.4319



2.4886, 0.4983, 0.4426

Inverse Universe

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



22.1848, 0.1801, 0.1541



16.6653, 0.1674, 0.1225



9.6033, 0.1651, 0.0776



18.5667, 0.2979, 0.3143



8.9802, 0.1682, 0.1255



1.0810, 0.1744, 0.1479

Previews

White Background



This preview shows how the Yxy color 49.0411, 0.4879, 0.4359 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 49.0411, 0.4879, 0.4359 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 49.0411, 0.4879, 0.4359

Background



This preview shows how black text looks on a background with the Yxy color 49.0411, 0.4879, 0.4359.



This preview shows how white text looks on a background with the Yxy color 49.0411, 0.4879, 0.4359.

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

49.0411, 0.4879, 0.4359

Protanopia

49.2854, 0.4304, 0.4763

Deuteranopia

49.2278, 0.4658, 0.4560



Tritanopia

48.9586, 0.3951, 0.3177

Trichromacy



Original Color

49.0411, 0.4879, 0.4359

Protanomaly

48.8245, 0.4518, 0.4614

Deuteranomaly

49.2829, 0.4740, 0.4485

Tritanomaly

48.3416, 0.4387, 0.3697

Monochromacy



Original Color

49.0411, 0.4879, 0.4359

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.3403, 0.3824, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0411, 0.4879, 0.4359 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(253, 168, 40)` looks like.

```
.text, #text, p{  
    color:rgb(253, 168, 40)  
}
```

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(253, 168, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 168, 40) }
```

Border

The CSS property to change the border of an element to Yxy 49.0411, 0.4879, 0.4359 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(253, 168, 40) }
```

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

```
.border{ border-color:rgb(253, 168, 40) }
```

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

Here you see how a box with a 4 pixel rgb(253, 168, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 168, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 168, 40);  
box-shadow:4px 4px 4px 4px rgb(253, 168,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0411, 0.4879, 0.4359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 168, 40) }
```

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

```
.background{ background-color: rgb(253,  
168, 40) }
```

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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