

Converting Colors

Yxy(50.9412, 0.4859, 0.4524)

Have a look what the booklet for
Yxy(50.9412, 0.4859, 0.4524)
contains.

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Color

Yxy(50.9839, 0.4859, 0.4524)

Conversions

Conversions Part 1

Format	Color
Hex	FAAF00
RGB	250, 175, 0
RGB Percent	98%, 69%, 0%
CMY	0.0195, 0.3137, 1.0000
CMYK	0.00, 0.30, 1.00, 0.02
HSL	42°, 100%, 49%
HSV	42°, 100%, 98%
XYZ	54.7592, 50.9839, 6.9534
YIQ	177.4750, 100.8750, -38.5250

Conversions

Conversions Part 2

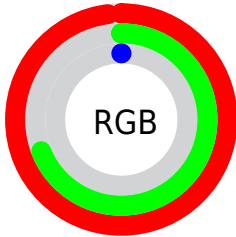
Format	Color
RYB	107, 250, 0
Decimal	16428800
CIELab	76.67, 16.61, 79.83
CIELCh	77, 81.542, 78.246
Yxy	50.9839, 0.4859, 0.4524
Android (android.graphics.Color)	4294618880 (0xFFFAAF00)
YUV	177.4750, -87.4952, 63.6044
Hunter-Lab	71.4030, 11.9370, 44.2083

Details

The Yxy color **50.9839, 0.4859, 0.4524** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **11.9382, 0.1602, 0.0967**, and the grayscale version is **44.6618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4477, 0.4211, 0.4651**, and **24.7307, 0.4957, 0.4446** is the 20% darker color. If you saturate the color by 10%, you get **50.9866, 0.4859, 0.4524**, and if you desaturate by 10%, it is **54.0587, 0.4748, 0.4548**.

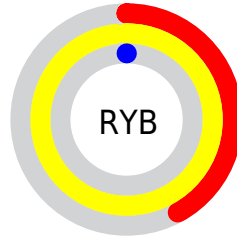
Distribution



Red (98%)

Green (69%)

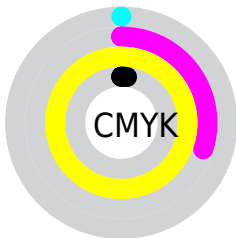
Blue (0%)



Red (42%)

Yellow (98%)

Blue (0%)

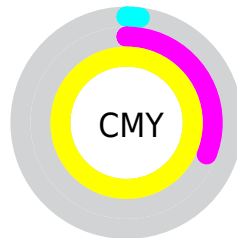


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9839, 0.4859, 0.4524 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 50.9839, 0.4859, 0.4524 by changing the saturation by 10% instead.


 50.9839, 0.4859,
0.4524

 50.9839, 0.4859,
0.4524


390.5012, 0.4105,
0.4057


 36.1958, 0.4993,
0.4582


 91.6310, 0.4624,
0.4398

 24.5855, 0.5134,
0.4626


 118.2587, 0.4523,
0.4337


 15.7685, 0.5313,
0.4674


 149.6018, 0.4434,
0.4281

 9.3605, 0.5402,
0.4598

 186.0447, 0.4353,
0.4228

 4.9770, 0.5520,
0.4480

 227.9716, 0.4281,
0.4180

 2.2338, 0.5705,
0.4295

 275.7671, 0.4216,

 0.7383, 0.6061,

0.4135

0.3939

329.8155, 0.4158,
0.4094

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.9839, 0.4859,
0.4524

■ 50.9839, 0.4859,
0.4524

■ 50.9866, 0.4859,
0.4524

■ 54.0587, 0.4748,
0.4548

■ 57.3855, 0.4607,
0.4525

■ 60.9973, 0.4436,
0.4452

■ 64.9132, 0.4246,
0.4336

■ 69.1498, 0.4044,
0.4186

■ 73.7215, 0.3841,
0.4015

■ 78.6419, 0.3644,
0.3832

■ 83.9231, 0.3457,
0.3646

■ 89.5767, 0.3285,
0.3464

Harmonies

Analogous

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



50.9839, 0.5254, 0.3771



50.9839, 0.4859, 0.4524



50.9839, 0.4042, 0.5185

Triad

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



50.9839, 0.4859, 0.4524



50.9839, 0.1558, 0.3128



50.9839, 0.2866, 0.1971

Complementary

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



50.9839, 0.4859, 0.4524



11.9382, 0.1602, 0.0967

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.



50.9839, 0.2005, 0.1752



50.9839, 0.4859, 0.4524



50.9839, 0.1369, 0.2233

Square

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



50.9839, 0.4859, 0.4524



50.9839, 0.2145, 0.4405



50.9839, 0.1519, 0.1815



50.9839, 0.3998, 0.2435

Rectangle

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



50.9839, 0.4859, 0.4524



50.9839, 0.3393, 0.5353



50.9839, 0.1519, 0.1815



50.9839, 0.2538, 0.1869

Sweetspot

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



50.9866, 0.4859, 0.4524



82.2333, 0.3644, 0.3833



20.8944, 0.5749, 0.2941



17.1268, 0.3727, 0.3911



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.



50.9866, 0.4859, 0.4524



53.2940, 0.4860, 0.4523



81.2457, 0.3867, 0.5312



19.2598, 0.3276, 0.3455



27.3044, 0.4845, 0.4535



2.7143, 0.4748, 0.4612

Inverse Universe

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



11.9382, 0.1602, 0.0967



12.4602, 0.1602, 0.0966



7.4803, 0.1574, 0.0640



17.4920, 0.2979, 0.3119



6.5501, 0.1610, 0.0995



0.7836, 0.1674, 0.1226

Previews

White Background



This preview shows how the Yxy color 50.9839, 0.4859, 0.4524 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 50.9839, 0.4859, 0.4524 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 50.9839, 0.4859, 0.4524

Background



This preview shows how black text looks on a background with the Yxy color 50.9839, 0.4859, 0.4524.



This preview shows how white text looks on a background with the Yxy color 50.9839, 0.4859, 0.4524.

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

50.9839, 0.4859, 0.4524

Protanopia

51.1605, 0.4390, 0.4857

Deuteranopia

51.1678, 0.4727, 0.4629



Tritanopia

50.9455, 0.3875, 0.3166

Trichromacy



Original Color

50.9839, 0.4859, 0.4524

Protanomaly

51.0507, 0.4558, 0.4741

Deuteranomaly

51.0739, 0.4780, 0.4587

Tritanomaly

50.0578, 0.4437, 0.3867

Monochromacy



Original Color

50.9839, 0.4859, 0.4524

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.0803, 0.3927, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9839, 0.4859, 0.4524 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(250, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 175, 0)  
}
```

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(250, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 175, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.9839, 0.4859, 0.4524 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(250, 175, 0) }
```

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

```
.border{ border-color:rgb(250, 175, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 175,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9839, 0.4859, 0.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 175, 0) }
```

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

```
.background{ background-color: rgb(250,  
175, 0) }
```

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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