

Converting Colors

$Y_{xy}(43.8539, 0.4985, 0.4322)$

Have a look what the booklet for
Yxy(43.8539, 0.4985, 0.4322)
contains.

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Color

Yxy(43.9818, 0.4981, 0.4326)

Conversions

Conversions Part 1

Format	Color
Hex	F79D1E
RGB	247, 157, 30
RGB Percent	97%, 62%, 12%
CMY	0.0315, 0.3842, 0.8825
CMYK	0.00, 0.36, 0.88, 0.03
HSL	35°, 93%, 54%
HSV	35°, 88%, 97%
XYZ	50.6411, 43.9818, 7.0456
YIQ	169.4320, 94.4070, -20.4170

Conversions

Conversions Part 2

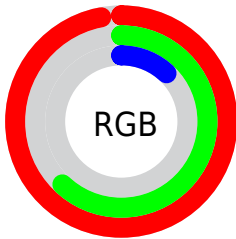
Format	Color
RYB	184, 247, 30
Decimal	16227614
CIELab	72.22, 25.10, 71.80
CIELCh	72, 76.064, 70.730
Yxy	43.9818, 0.4981, 0.4326
Android (android.graphics.Color)	4294417694 (0xFFFF79D1E)
YUV	169.4320, -68.7400, 68.0271
Hunter-Lab	66.3188, 20.2449, 40.1242

Details

The Yxy color **43.9818, 0.4981, 0.4326** 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 **20.4003, 0.1779, 0.1510**, and the grayscale version is **40.2138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0852, 0.4293, 0.4451**, and **20.2935, 0.5201, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **40.5814, 0.5147, 0.4282**, and if you desaturate by 10%, it is **47.7741, 0.4779, 0.4317**.

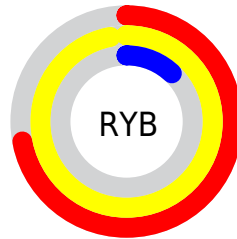
Distribution



Red (97%)

Green (62%)

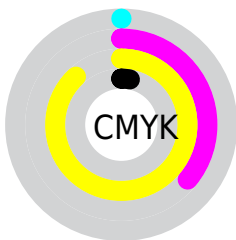
Blue (12%)



Red (72%)

Yellow (97%)

Blue (12%)

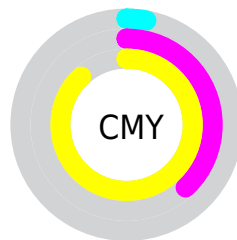


Cyan (0%)

Magenta (36%)

Yellow (88%)

Black (3%)



Cyan (3%)


Magenta (38%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9818, 0.4981, 0.4326 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 43.9818, 0.4981, 0.4326 by changing the saturation by 10% instead.

 43.9818, 0.4981,
0.4326

 43.9818, 0.4981,
0.4326


362.6340, 0.4126,
0.3942


 30.6562, 0.5148,
0.4366


 81.1904, 0.4702,
0.4227


 20.3372, 0.5331,
0.4387

 105.8421, 0.4587,
0.4177


 12.6404, 0.5572,
0.4404


 135.0380, 0.4485,
0.4130

 7.1814, 0.5723,
0.4277

 169.1625, 0.4396,
0.4086

 3.5758, 0.5926,
0.4074

 208.6000, 0.4317,
0.4046

 1.4392, 0.6253,
0.3747

 253.7348, 0.4246,

 0.2454, 0.7752,

0.4008

0.2248

304.9513, 0.4183,
0.3974

■ 0.0000, 0.0000,
0.0000

■ 43.9818, 0.4981,
0.4326

■ 43.9818, 0.4981,
0.4326

■ 40.5814, 0.5147,
0.4282

■ 47.7741, 0.4779,
0.4317


■ 39.8988, 0.5180,
0.4269

■ 51.9792, 0.4552,
0.4256

■ 56.6218, 0.4311,
0.4153


■ 61.7214, 0.4070,
0.4021

■ 67.2959, 0.3839,
0.3871

 73.3618, 0.3624,
0.3714

 79.9345, 0.3428,
0.3557

 87.0286, 0.3252,
0.3404

 94.6579, 0.3095,
0.3260

Harmonies

Analogous

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



43.9818, 0.5213, 0.3591



43.9818, 0.4981, 0.4326



43.9818, 0.4259, 0.5021

Triad

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



43.9818, 0.4981, 0.4326



43.9818, 0.1691, 0.3430



43.9818, 0.2627, 0.1913

Complementary

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



43.9818, 0.4981, 0.4326



20.4003, 0.1779, 0.1510

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.



43.9818, 0.1870, 0.1763



43.9818, 0.4981, 0.4326



43.9818, 0.1409, 0.2427

Square

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



43.9818, 0.4981, 0.4326



43.9818, 0.2369, 0.4670



43.9818, 0.1476, 0.1906



43.9818, 0.3698, 0.2315

Rectangle

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



43.9818, 0.4981, 0.4326



43.9818, 0.3640, 0.5292



43.9818, 0.1476, 0.1906



43.9818, 0.2333, 0.1833

Sweetspot

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



43.9841, 0.4981, 0.4326



80.1439, 0.3587, 0.3685



22.0608, 0.5014, 0.2620



16.6492, 0.3658, 0.3740



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.



43.9841, 0.4981, 0.4326



42.8517, 0.5182, 0.4267



83.2363, 0.4039, 0.5112



18.0950, 0.3279, 0.3428



21.3937, 0.5159, 0.4286



2.0828, 0.5005, 0.4408

Inverse Universe

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



20.4003, 0.1779, 0.1510



17.4652, 0.1687, 0.1271



8.2697, 0.1601, 0.0717



17.0551, 0.2980, 0.3148



8.8813, 0.1696, 0.1305



0.9783, 0.1764, 0.1550

Previews

White Background



This preview shows how the Yxy color 43.9818, 0.4981, 0.4326 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 43.9818, 0.4981, 0.4326 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 43.9818, 0.4981, 0.4326

Background



This preview shows how black text looks on a background with the Yxy color 43.9818, 0.4981, 0.4326.



This preview shows how white text looks on a background with the Yxy color 43.9818, 0.4981, 0.4326.

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

43.9818, 0.4981, 0.4326

Protanopia

44.2475, 0.4335, 0.4788

Deuteranopia

43.9067, 0.4694, 0.4593



Tritanopia

43.8747, 0.4118, 0.3177

Trichromacy



Original Color

43.9818, 0.4981, 0.4326

Protanomaly

43.6167, 0.4578, 0.4613

Deuteranomaly

43.7727, 0.4799, 0.4497

Tritanomaly

43.4696, 0.4553, 0.3695

Monochromacy



Original Color

43.9818, 0.4981, 0.4326

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.0886, 0.3874, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9818, 0.4981, 0.4326 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(247, 157, 30)` looks like.

```
.text, #text, p{  
    color:rgb(247, 157, 30)  
}
```

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(247, 157, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 157, 30) }
```

Border

The CSS property to change the border of an element to Yxy 43.9818, 0.4981, 0.4326 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(247, 157, 30) }
```

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

```
.border{ border-color:rgb(247, 157, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 157, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 157, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 157, 30);  
box-shadow:4px 4px 4px 4px rgb(247, 157,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9818, 0.4981, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 157, 30) }
```

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

```
.background{ background-color: rgb(247,  
157, 30) }
```

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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