

Converting Colors

Yxy(47.9551, 0.5012, 0.4403)

Have a look what the booklet for
Yxy(47.9551, 0.5012, 0.4403)
contains.

| | |
|---|----|
| Yxy(47.8109, 0.5016, 0.4399) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(47.8109, 0.5016, 0.4399)

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | FFA400 |
| RGB | 255, 164, 0 |
| RGB Percent | 100%, 64%, 0% |
| CMY | 0.0000, 0.3568, 0.9995 |
| CMYK | 0.00, 0.36, 1.00, 0.00 |
| HSL | 39°, 100%, 50% |
| HSV | 39°, 100%, 100% |
| XYZ | 54.5168, 47.8109, 6.3581 |
| YIQ | 172.5130, 106.8800, -31.7120 |

Conversions

Conversions Part 2

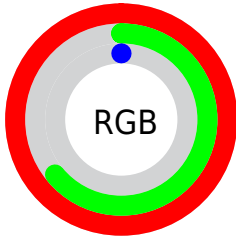
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 141, 255, 0 |
| Decimal | 16753664 |
| CIE _{Lab} | 74.71, 24.46, 78.80 |
| CIE _{LCh} | 75, 82.506, 72.754 |
| Yxy | 47.8109, 0.5016, 0.4399 |
| Android (android.graphics.Color) | 4294943744 (0xFFFFA400) |
| YUV | 172.5130, -85.0489, 72.3411 |
| Hunter-Lab | 69.1454, 19.7315, 42.9499 |

Details

The Yxy color **47.8109, 0.5016, 0.4399** is a dark color, and the websafe version is hex **FF9900**, and the color name is **golden yellow (yamabuki-iro)**. The color can be described as middle saturated orange. A complement of this color would be **14.7230, 0.1641, 0.1108**, and the grayscale version is **41.9368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4875, 0.4295, 0.4580**, and **22.7948, 0.5168, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **47.7971, 0.5017, 0.4399**, and if you desaturate by 10%, it is **51.2618, 0.4881, 0.4437**.

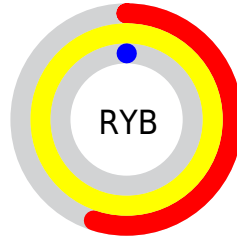
Distribution



Red (100%)

Green (64%)

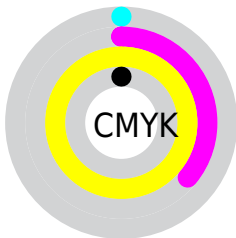
Blue (0%)



Red (55%)

Yellow (100%)

Blue (0%)

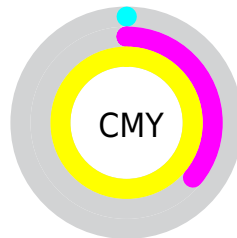


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8109, 0.5016, 0.4399 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 47.8109, 0.5016, 0.4399 by changing the saturation by 10% instead.

 47.8109, 0.5016,
0.4399

 47.8109, 0.5016,
0.4399


378.0421, 0.4177,
0.4005

 33.6772, 0.5170,
0.4436


 86.9228, 0.4750,
0.4302


 22.6457, 0.5334,
0.4452


 112.6697, 0.4638,
0.4251

 14.3321, 0.5541,
0.4459


 143.0565, 0.4538,
0.4203

 8.3520, 0.5665,
0.4335

 178.4676, 0.4449,
0.4157

 4.3210, 0.5844,
0.4156

 219.2872, 0.4370,
0.4115

 1.8547, 0.6125,
0.3875

 265.9000, 0.4298,

 0.5209, 0.6821,

0.4075

0.3179

318.6901, 0.4234,
0.4039

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8109, 0.5016,
0.4399

■ 47.8109, 0.5016,
0.4399

■ 47.7971, 0.5017,
0.4399

■ 51.2618, 0.4881,
0.4437

■ 55.0431, 0.4714,
0.4427

■ 59.1903, 0.4518,
0.4365

■ 63.7252, 0.4304,
0.4259

68.6671, 0.4082,
0.4120

74.0331, 0.3864,
0.3960

79.8388, 0.3656,
0.3790

86.0988, 0.3462,
0.3618

92.8268, 0.3286,
0.3450

Harmonies

Analogous

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



47.8109, 0.5320, 0.3633



47.8109, 0.5016, 0.4399



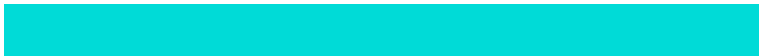
47.8109, 0.4228, 0.5133

Triad

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



47.8109, 0.5016, 0.4399



47.8109, 0.1592, 0.3343



47.8109, 0.2666, 0.1877

Complementary

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



47.8109, 0.5016, 0.4399



14.7230, 0.1641, 0.1108

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.



47.8109, 0.1855, 0.1703



47.8109, 0.5016, 0.4399



47.8109, 0.1333, 0.2325

Square

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



47.8109, 0.5016, 0.4399



47.8109, 0.2264, 0.4678



47.8109, 0.1427, 0.1823



47.8109, 0.3805, 0.2308

Rectangle

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



47.8109, 0.5016, 0.4399



47.8109, 0.3575, 0.5411



47.8109, 0.1427, 0.1823



47.8109, 0.2351, 0.1789

Sweetspot

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



47.8129, 0.5016, 0.4399



79.8100, 0.3657, 0.3791



22.0632, 0.5560, 0.2837



16.5472, 0.3743, 0.3863



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.



47.8129, 0.5016, 0.4399



47.7971, 0.5017, 0.4399



86.8950, 0.3956, 0.5241



19.9356, 0.3278, 0.3442



25.2675, 0.4999, 0.4412



2.6668, 0.4883, 0.4505

Inverse Universe

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



14.7230, 0.1641, 0.1108



14.7088, 0.1641, 0.1108



7.5645, 0.1542, 0.0623



18.4389, 0.2979, 0.3133



7.9407, 0.1649, 0.1137



0.9706, 0.1712, 0.1362

Previews

White Background



This preview shows how the Yxy color 47.8109, 0.5016, 0.4399 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 47.8109, 0.5016, 0.4399 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 47.8109, 0.5016, 0.4399

Background



This preview shows how black text looks on a background with the Yxy color 47.8109, 0.5016, 0.4399.



This preview shows how white text looks on a background with the Yxy color 47.8109, 0.5016, 0.4399.

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

47.8109, 0.5016, 0.4399

Protanopia

48.1515, 0.4382, 0.4854

Deuteranopia

47.9836, 0.4723, 0.4632



Tritanopia

47.7901, 0.4002, 0.3187

Trichromacy



Original Color

47.8109, 0.5016, 0.4399

Protanomaly

47.4760, 0.4622, 0.4686

Deuteranomaly

47.8266, 0.4832, 0.4546

Tritanomaly

47.0969, 0.4569, 0.3826

Monochromacy



Original Color

47.8109, 0.5016, 0.4399

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.5717, 0.3977, 0.4048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8109, 0.5016, 0.4399 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, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 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(255, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.8109, 0.5016, 0.4399 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, 164, 0) }
```

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

```
.border{ border-color:rgb(255, 164, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8109, 0.5016, 0.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 0) }
```

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

```
.background{ background-color: rgb(255,  
164, 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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