

Converting Colors

$Y_{xy}(44.5604, 0.5052, 0.4370)$

Have a look what the booklet for
Yxy(44.5604, 0.5052, 0.4370)
contains.

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Color

Yxy(44.4379, 0.5058, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	FA9D00
RGB	250, 157, 0
RGB Percent	98%, 62%, 0%
CMY	0.0196, 0.3843, 1.0000
CMYK	0.00, 0.37, 1.00, 0.02
HSL	38°, 100%, 49%
HSV	38°, 100%, 98%
XYZ	51.4812, 44.4379, 5.8626
YIQ	166.9090, 105.8250, -29.1110

Conversions

Conversions Part 2

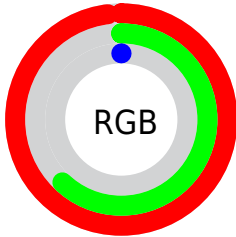
Format	Color
RYB	148, 250, 0
Decimal	16424192
CIELab	72.52, 26.02, 77.10
CIELCh	73, 81.372, 71.350
Yxy	44.4379, 0.5058, 0.4366
Android (android.graphics.Color)	4294614272 (0xFFFA9D00)
YUV	166.9090, -82.2861, 72.8708
Hunter-Lab	66.6618, 21.1930, 41.4489

Details

The Yxy color **44.4379, 0.5058, 0.4366** 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 **14.7294, 0.1653, 0.1150**, and the grayscale version is **38.9686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8970, 0.4350, 0.4530**, and **20.6679, 0.5229, 0.4230** is the 20% darker color. If you saturate the color by 10%, you get **44.4403, 0.5058, 0.4366**, and if you desaturate by 10%, it is **47.7781, 0.4916, 0.4407**.

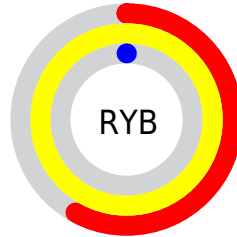
Distribution



Red (98%)

Green (62%)

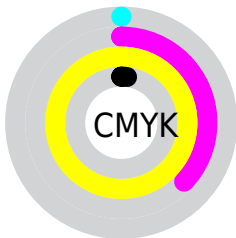
Blue (0%)



Red (58%)

Yellow (98%)

Blue (0%)

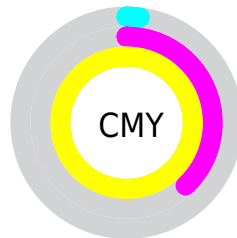


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4379, 0.5058, 0.4366 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 44.4379, 0.5058, 0.4366 by changing the saturation by 10% instead.


 44.4379, 0.5058,
0.4366

 44.4379, 0.5058,
0.4366


364.4922, 0.4186,
0.3986

 31.0149, 0.5220,
0.4398


 81.8763, 0.4779,
0.4275


 20.6102, 0.5394,
0.4405


 106.6604, 0.4663,
0.4226

 12.8394, 0.5606,
0.4394


 136.0005, 0.4559,
0.4179

 7.3180, 0.5747,
0.4253

 170.2808, 0.4467,
0.4135

 3.6618, 0.5953,
0.4047

 209.8857, 0.4385,
0.4094

 1.4862, 0.6284,
0.3716


 255.1996, 0.4311,

 0.2790, 0.7637,


0.4055


0.2363


 306.6070, 0.4246,
0.4019


 0.0000, 0.0000,
0.0000


 44.4379, 0.5058,
0.4366


 44.4379, 0.5058,
0.4366

 44.4403, 0.5058,
0.4366

 47.7781, 0.4916,
0.4407

 51.4504, 0.4742,
0.4400

 55.4901, 0.4539,
0.4341

 59.9185, 0.4319,
0.4238

 64.7546, 0.4093,
0.4102

■ 70.0152, 0.3870,
0.3946

■ 75.7157, 0.3659,
0.3779

■ 81.8706, 0.3464,
0.3611

■ 88.4934, 0.3287,
0.3447

Harmonies

Analogous

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



44.4379, 0.5338, 0.3597



44.4379, 0.5058, 0.4366



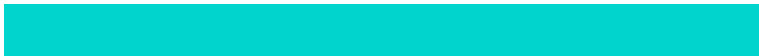
44.4379, 0.4277, 0.5117

Triad

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



44.4379, 0.5058, 0.4366



44.4379, 0.1600, 0.3402



44.4379, 0.2613, 0.1852

Complementary

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



44.4379, 0.5058, 0.4366



14.7294, 0.1653, 0.1150

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.



44.4379, 0.1816, 0.1689



44.4379, 0.5058, 0.4366



44.4379, 0.1323, 0.2350

Square

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



44.4379, 0.5058, 0.4366



44.4379, 0.2295, 0.4752



44.4379, 0.1403, 0.1824



44.4379, 0.3755, 0.2274

Rectangle

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



44.4379, 0.5058, 0.4366



44.4379, 0.3622, 0.5423



44.4379, 0.1403, 0.1824



44.4379, 0.2303, 0.1767

Sweetspot

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



44.4403, 0.5058, 0.4366



79.1837, 0.3660, 0.3780



21.1654, 0.5492, 0.2799



16.3978, 0.3747, 0.3851



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.



44.4403, 0.5058, 0.4366



46.4528, 0.5059, 0.4365



83.7168, 0.3986, 0.5217



19.0420, 0.3278, 0.3439



23.8576, 0.5040, 0.4380



2.4127, 0.4912, 0.4482

Inverse Universe

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



14.7294, 0.1653, 0.1150



15.3778, 0.1652, 0.1148



7.1657, 0.1534, 0.0619



17.7006, 0.2979, 0.3137



8.0653, 0.1661, 0.1180



0.9426, 0.1727, 0.1416

Previews

White Background



This preview shows how the Yxy color 44.4379, 0.5058, 0.4366 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 44.4379, 0.5058, 0.4366 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 44.4379, 0.5058, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 44.4379, 0.5058, 0.4366.



This preview shows how white text looks on a background with the Yxy color 44.4379, 0.5058, 0.4366.

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

44.4379, 0.5058, 0.4366

Protanopia

44.7014, 0.4378, 0.4854

Deuteranopia

44.3835, 0.4722, 0.4633



Tritanopia

44.5618, 0.4132, 0.3188

Trichromacy



Original Color

44.4379, 0.5058, 0.4366

Protanomaly

44.2101, 0.4635, 0.4674

Deuteranomaly

44.4027, 0.4842, 0.4537

Tritanomaly

43.9360, 0.4664, 0.3804

Monochromacy



Original Color

44.4379, 0.5058, 0.4366

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1053, 0.3993, 0.4033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4379, 0.5058, 0.4366 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, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 157, 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, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 157, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.4379, 0.5058, 0.4366 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, 157, 0) }
```

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

```
.border{ border-color:rgb(250, 157, 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, 157, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 157,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4379, 0.5058, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 157, 0) }
```

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

```
.background{ background-color: rgb(250,  
157, 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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