

Converting Colors

$Y_{xy}(42.4607, 0.5090, 0.4341)$

Have a look what the booklet for
Yxy(42.4607, 0.5090, 0.4341)
contains.

Yxy(42.5566, 0.5082, 0.4347)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.5566, 0.5082, 0.4347)

Conversions

Conversions Part 1

Format	Color
Hex	F79900
RGB	247, 153, 0
RGB Percent	97%, 60%, 0%
CMY	0.0313, 0.4000, 1.0000
CMYK	0.00, 0.38, 1.00, 0.03
HSL	37°, 100%, 48%
HSV	37°, 100%, 97%
XYZ	49.7522, 42.5566, 5.5900
YIQ	163.6640, 105.1370, -27.6550

Conversions

Conversions Part 2

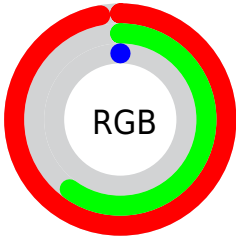
Format	Color
R_{YB}	152, 247, 0
Decimal	16226560
CIE Lab	71.25, 26.87, 76.10
CIE LCh	71, 80.707, 70.554
Yxy	42.5566, 0.5082, 0.4347
Android (android.graphics.Color)	4294416640 (0xFFFF79900)
YUV	163.6640, -80.6864, 73.0857
Hunter-Lab	65.2354, 21.9720, 40.5842

Details

The Yxy color **42.5566, 0.5082, 0.4347** 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 **14.7237, 0.1660, 0.1175**, and the grayscale version is **37.3111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9076, 0.4385, 0.4504**, and **19.6931, 0.5248, 0.4215** is the 20% darker color. If you saturate the color by 10%, you get **42.5589, 0.5082, 0.4347**, and if you desaturate by 10%, it is **45.8276, 0.4936, 0.4390**.

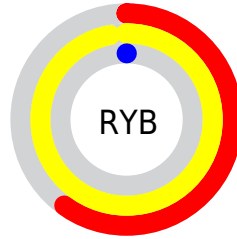
Distribution



Red (97%)

Green (60%)

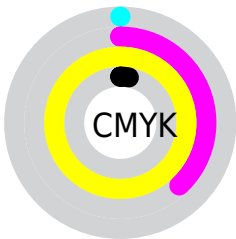
Blue (0%)



Red (60%)

Yellow (97%)

Blue (0%)

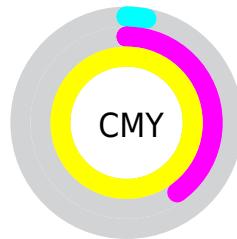


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5566, 0.5082, 0.4347 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 42.5566, 0.5082, 0.4347 by changing the saturation by 10% instead.

 42.5566, 0.5082,
0.4347

 42.5566, 0.5082,
0.4347


356.7851, 0.4191,
0.3975


 29.5374, 0.5249,
0.4376


 79.0413, 0.4796,
0.4259


 19.4877, 0.5429,
0.4378


 103.2756, 0.4676,
0.4212


 12.0232, 0.5645,
0.4355


 132.0170, 0.4570,
0.4166

 6.7595, 0.5796,
0.4204

 165.6500, 0.4476,
0.4122

 3.3121, 0.6019,
0.3981

 204.5589, 0.4393,
0.4081

 1.2968, 0.6381,
0.3619

 249.1281, 0.4318,

 0.1387, 0.8503,

0.4043


0.1497

 299.7420, 0.4251,
0.4008


 0.0000, 0.0000,
0.0000


 42.5566, 0.5082,
0.4347


 42.5566, 0.5082,
0.4347


 42.5589, 0.5082,
0.4347

 45.8276, 0.4936,
0.4390

 49.4316, 0.4758,
0.4385

 53.4029, 0.4551,
0.4327

 57.7631, 0.4327,
0.4226

 62.5307, 0.4098,
0.4092

■ 67.7223, 0.3873,
0.3937

■ 73.3533, 0.3661,
0.3773

■ 79.4380, 0.3465,
0.3607

■ 85.9899, 0.3287,
0.3445

Harmonies

Analogous

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



42.5566, 0.5348, 0.3577



42.5566, 0.5082, 0.4347



42.5566, 0.4305, 0.5108

Triad

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



42.5566, 0.5082, 0.4347



42.5566, 0.1605, 0.3437



42.5566, 0.2584, 0.1837

Complementary

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



42.5566, 0.5082, 0.4347



14.7237, 0.1660, 0.1175

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.



42.5566, 0.1794, 0.1682



42.5566, 0.5082, 0.4347



42.5566, 0.1318, 0.2365

Square

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



42.5566, 0.5082, 0.4347



42.5566, 0.2313, 0.4794



42.5566, 0.1389, 0.1825



42.5566, 0.3725, 0.2255

Rectangle

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



42.5566, 0.5082, 0.4347



42.5566, 0.3649, 0.5430



42.5566, 0.1389, 0.1825



42.5566, 0.2275, 0.1755

Sweetspot

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



42.5589, 0.5082, 0.4347



78.8243, 0.3662, 0.3774



20.5970, 0.5490, 0.2798



16.3121, 0.3750, 0.3844



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.



42.5589, 0.5082, 0.4347



45.6959, 0.5084, 0.4346



81.4645, 0.3986, 0.5217



18.1922, 0.3278, 0.3436



22.7883, 0.5063, 0.4362



2.2008, 0.4925, 0.4472

Inverse Universe

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



14.7237, 0.1660, 0.1175



15.7790, 0.1659, 0.1172



6.9747, 0.1534, 0.0619



16.9605, 0.2980, 0.3139



8.0387, 0.1668, 0.1206



0.8984, 0.1737, 0.1454

Previews

White Background



This preview shows how the Yxy color 42.5566, 0.5082, 0.4347 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 42.5566, 0.5082, 0.4347 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 42.5566, 0.5082, 0.4347

Background



This preview shows how black text looks on a background with the Yxy color 42.5566, 0.5082, 0.4347.



This preview shows how white text looks on a background with the Yxy color 42.5566, 0.5082, 0.4347.

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

42.5566, 0.5082, 0.4347

Protanopia

42.5739, 0.4381, 0.4849

Deuteranopia

42.6446, 0.4721, 0.4633



Tritanopia

42.5286, 0.4178, 0.3177

Trichromacy



Original Color

42.5566, 0.5082, 0.4347

Protanomaly

42.1087, 0.4643, 0.4666

Deuteranomaly

42.3127, 0.4855, 0.4527

Tritanomaly

41.9301, 0.4713, 0.3784

Monochromacy



Original Color

42.5566, 0.5082, 0.4347

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.6104, 0.3999, 0.4030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5566, 0.5082, 0.4347 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, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 153, 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(247, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.5566, 0.5082, 0.4347 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, 153, 0) }
```

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

```
.border{ border-color:rgb(247, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 153,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5566, 0.5082, 0.4347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 153, 0) }
```

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

```
.background{ background-color: rgb(247,  
153, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor