

Converting Colors

$Y_{xy}(45.3299, 0.5027, 0.4391)$

Have a look what the booklet for
Yxy(45.3299, 0.5027, 0.4391)
contains.

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Color

Yxy(45.4656, 0.5024, 0.4393)

Conversions

Conversions Part 1

Format	Color
Hex	FAA000
RGB	250, 160, 0
RGB Percent	98%, 63%, 0%
CMY	0.0196, 0.3725, 1.0000
CMYK	0.00, 0.36, 1.00, 0.02
HSL	38°, 100%, 49%
HSV	38°, 100%, 98%
XYZ	51.9962, 45.4656, 6.0338
YIQ	168.6700, 105.0000, -30.6800

Conversions

Conversions Part 2

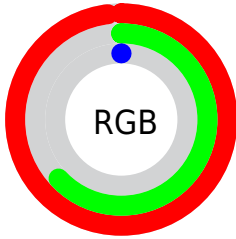
Format	Color
R_YB	141, 250, 0
Decimal	16424960
CIE Lab	73.20, 24.46, 77.54
CIE LCh	73, 81.304, 72.494
Yxy	45.4656, 0.5024, 0.4393
Android (android.graphics.Color)	4294615040 (0xFFFAA000)
YUV	168.6700, -83.1543, 71.3264
Hunter-Lab	67.4282, 19.6481, 41.8942

Details

The Yxy color **45.4656, 0.5024, 0.4393** 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 **14.2145, 0.1644, 0.1117**, and the grayscale version is **39.8861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4109, 0.4328, 0.4554**, and **21.2899, 0.5182, 0.4267** is the 20% darker color. If you saturate the color by 10%, you get **45.4680, 0.5024, 0.4393**, and if you desaturate by 10%, it is **48.7726, 0.4887, 0.4431**.

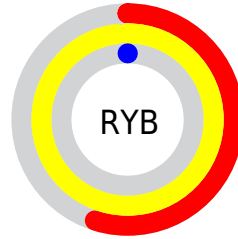
Distribution



Red (98%)

Green (63%)

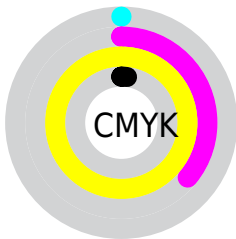
Blue (0%)



Red (55%)

Yellow (98%)

Blue (0%)

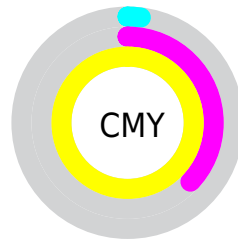


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4656, 0.5024, 0.4393 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 45.4656, 0.5024, 0.4393 by changing the saturation by 10% instead.


 45.4656, 0.5024,
0.4393


 45.4656, 0.5024,
0.4393


368.6560, 0.4173,
0.3998


 31.8243, 0.5181,
0.4429


 83.4187, 0.4753,
0.4296


 21.2273, 0.5349,
0.4443


 108.4992, 0.4639,
0.4245


 13.2903, 0.5557,
0.4443


 138.1617, 0.4538,
0.4196

 7.6287, 0.5687,
0.4313

 172.7904, 0.4447,
0.4151

 3.8583, 0.5878,
0.4122

 212.7698, 0.4367,
0.4108

 1.5946, 0.6182,
0.3818

 258.4843, 0.4295,

 0.3540, 0.7258,

0.4068

0.2742

310.3182, 0.4231,
0.4032

■ 0.0000, 0.0000,
0.0000

■ 45.4656, 0.5024,
0.4393

■ 45.4656, 0.5024,
0.4393

■ 45.4680, 0.5024,
0.4393

■ 48.7726, 0.4887,
0.4431

■ 52.3977, 0.4719,
0.4422

■ 56.3753, 0.4522,
0.4360

■ 60.7267, 0.4306,
0.4255

■ 65.4702, 0.4084,
0.4116

■ 70.6221, 0.3865,
0.3957

■ 76.1975, 0.3657,
0.3788

■ 82.2105, 0.3463,
0.3617

■ 88.6740, 0.3286,
0.3450

Harmonies

Analogous

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



45.4656, 0.5324, 0.3627



45.4656, 0.5024, 0.4393



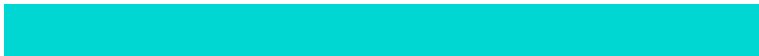
45.4656, 0.4237, 0.5130

Triad

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



45.4656, 0.5024, 0.4393



45.4656, 0.1593, 0.3354



45.4656, 0.2656, 0.1872

Complementary

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



45.4656, 0.5024, 0.4393



14.2145, 0.1644, 0.1117

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.



45.4656, 0.1848, 0.1700



45.4656, 0.5024, 0.4393



45.4656, 0.1331, 0.2329

Square

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



45.4656, 0.5024, 0.4393



45.4656, 0.2269, 0.4692



45.4656, 0.1422, 0.1823



45.4656, 0.3796, 0.2302

Rectangle

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



45.4656, 0.5024, 0.4393



45.4656, 0.3584, 0.5414



45.4656, 0.1422, 0.1823



45.4656, 0.2342, 0.1784

Sweetspot

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



45.4680, 0.5024, 0.4393



79.6851, 0.3657, 0.3789



21.0916, 0.5559, 0.2836



16.5174, 0.3744, 0.3861



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.



45.4680, 0.5024, 0.4393



47.5264, 0.5025, 0.4392



83.0747, 0.3956, 0.5241



19.0781, 0.3278, 0.3441



24.3994, 0.5007, 0.4407



2.4606, 0.4884, 0.4504

Inverse Universe

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



14.2145, 0.1644, 0.1117



14.8392, 0.1643, 0.1116



7.2312, 0.1542, 0.0623



17.6657, 0.2979, 0.3134



7.7869, 0.1652, 0.1147



0.9141, 0.1718, 0.1383

Previews

White Background



This preview shows how the Yxy color 45.4656, 0.5024, 0.4393 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 45.4656, 0.5024, 0.4393 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 45.4656, 0.5024, 0.4393

Background



This preview shows how black text looks on a background with the Yxy color 45.4656, 0.5024, 0.4393.



This preview shows how white text looks on a background with the Yxy color 45.4656, 0.5024, 0.4393.

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

45.4656, 0.5024, 0.4393

Protanopia

45.7879, 0.4376, 0.4856

Deuteranopia

45.6198, 0.4725, 0.4630



Tritanopia

45.6108, 0.4088, 0.3188

Trichromacy



Original Color

45.4656, 0.5024, 0.4393

Protanomaly

45.1269, 0.4622, 0.4685

Deuteranomaly

45.4703, 0.4836, 0.4542

Tritanomaly

44.9532, 0.4624, 0.3816

Monochromacy



Original Color

45.4656, 0.5024, 0.4393

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.3609, 0.3968, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4656, 0.5024, 0.4393 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, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 160, 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, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 160, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.4656, 0.5024, 0.4393 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, 160, 0) }
```

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

```
.border{ border-color:rgb(250, 160, 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, 160, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 160,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4656, 0.5024, 0.4393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 160, 0) }
```

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

```
.background{ background-color: rgb(250,  
160, 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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