

Converting Colors

$Yxy(45.3402, 0.4934, 0.4464)$

Have a look what the booklet for
Yxy(45.3402, 0.4934, 0.4464)
contains.

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Color

Yxy(45.2491, 0.4937, 0.4462)

Conversions

Conversions Part 1

Format	Color
Hex	F3A300
RGB	243, 163, 0
RGB Percent	95%, 64%, 0%
CMY	0.0470, 0.3608, 1.0000
CMYK	0.00, 0.33, 1.00, 0.05
HSL	40°, 100%, 48%
HSV	40°, 100%, 95%
XYZ	50.0661, 45.2491, 6.0947
YIQ	168.3380, 100.0030, -33.7330

Conversions

Conversions Part 2

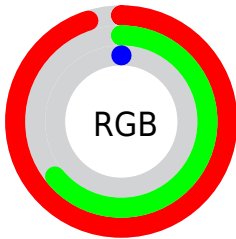
Format	Color
RYB	119, 243, 0
Decimal	15966976
CIELab	73.06, 19.94, 77.04
CIElCh	73, 79.578, 75.485
Yxy	45.2491, 0.4937, 0.4462
Android (android.graphics.Color)	4294157056 (0xFFFF3A300)
YUV	168.3380, -82.9906, 65.4786
Hunter-Lab	67.2675, 15.1366, 41.7153

Details

The Yxy color **45.2491, 0.4937, 0.4462** 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 **12.2146, 0.1622, 0.1040**, and the grayscale version is **39.7140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9529, 0.4307, 0.4578**, and **21.1926, 0.5078, 0.4350** is the 20% darker color. If you saturate the color by 10%, you get **45.2514, 0.4937, 0.4462**, and if you desaturate by 10%, it is **48.2511, 0.4813, 0.4492**.

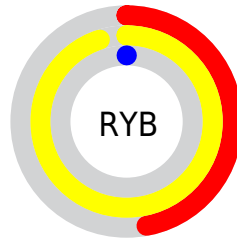
Distribution



Red (95%)

Green (64%)

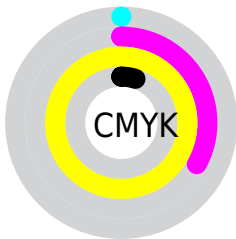
Blue (0%)



Red (47%)

Yellow (95%)

Blue (0%)

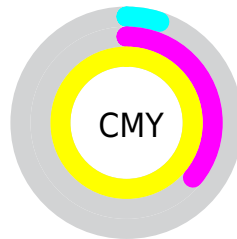


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2491, 0.4937, 0.4462 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 45.2491, 0.4937, 0.4462 by changing the saturation by 10% instead.


 45.2491, 0.4937,
0.4462


 45.2491, 0.4937,
0.4462


367.7815, 0.4127,
0.4022

 31.6537, 0.5085,
0.4511


 83.0941, 0.4680,
0.4347


 21.0971, 0.5242,
0.4540


 108.1124, 0.4571,
0.4290


 13.1950, 0.5438,
0.4562


 137.7072, 0.4475,
0.4236

 7.5630, 0.5547,
0.4453

 172.2628, 0.4389,
0.4186

 3.8166, 0.5708,
0.4292

 212.1637, 0.4313,
0.4140

 1.5715, 0.5969,
0.4031

 257.7941, 0.4244,

 0.3383, 0.7050,

0.4097

0.2950

309.5386, 0.4183,
0.4058

0.0000, 0.0000,
0.0000

45.2491, 0.4937,
0.4462

45.2491, 0.4937,
0.4462

45.2514, 0.4937,
0.4462

48.2511, 0.4813,
0.4492

51.5179, 0.4659,
0.4475

55.0811, 0.4476,
0.4407

58.9594, 0.4273,
0.4295

63.1688, 0.4062,
0.4151

■ 67.7237, 0.3852,
0.3986

■ 72.6374, 0.3649,
0.3810

■ 77.9219, 0.3460,
0.3632

■ 83.5886, 0.3285,
0.3457

Harmonies

Analogous

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



45.2491, 0.5287, 0.3702



45.2491, 0.4937, 0.4462



45.2491, 0.4135, 0.5161

Triad

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



45.2491, 0.4937, 0.4462



45.2491, 0.1574, 0.3233



45.2491, 0.2766, 0.1924

Complementary

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



45.2491, 0.4937, 0.4462



12.2146, 0.1622, 0.1040

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.



45.2491, 0.1930, 0.1728



45.2491, 0.4937, 0.4462



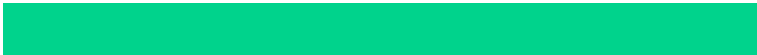
45.2491, 0.1351, 0.2278

Square

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



45.2491, 0.4937, 0.4462



45.2491, 0.2204, 0.4540



45.2491, 0.1473, 0.1819



45.2491, 0.3903, 0.2372

Rectangle

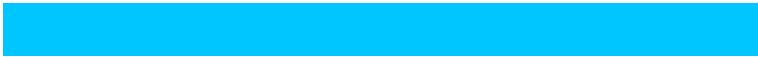
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.2491, 0.4937, 0.4462



45.2491, 0.3484, 0.5384



45.2491, 0.1473, 0.1819



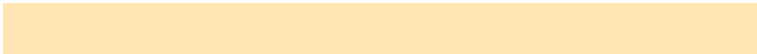
45.2491, 0.2445, 0.1829

Sweetspot

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



45.2514, 0.4937, 0.4462



80.9810, 0.3651, 0.3811



19.6534, 0.5684, 0.2905



16.8270, 0.3735, 0.3886



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.



45.2514, 0.4937, 0.4462



50.3952, 0.4939, 0.4460



76.7459, 0.3897, 0.5288



18.3401, 0.3277, 0.3448



25.0867, 0.4922, 0.4474



2.3923, 0.4808, 0.4565

Inverse Universe

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



12.2146, 0.1622, 0.1040



13.5568, 0.1621, 0.1036



6.9339, 0.1563, 0.0635



16.8181, 0.2980, 0.3127



6.9214, 0.1630, 0.1068



0.7886, 0.1699, 0.1315

Previews

White Background



This preview shows how the Yxy color 45.2491, 0.4937, 0.4462 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 45.2491, 0.4937, 0.4462 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 45.2491, 0.4937, 0.4462

Background



This preview shows how black text looks on a background with the Yxy color 45.2491, 0.4937, 0.4462.



This preview shows how white text looks on a background with the Yxy color 45.2491, 0.4937, 0.4462.

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

45.2491, 0.4937, 0.4462

Protanopia

45.3764, 0.4389, 0.4853

Deuteranopia

45.0803, 0.4728, 0.4628



Tritanopia

45.4248, 0.4002, 0.3175

Trichromacy



Original Color

45.2491, 0.4937, 0.4462

Protanomaly

45.1994, 0.4595, 0.4709

Deuteranomaly

44.9611, 0.4811, 0.4562

Tritanomaly

44.5506, 0.4539, 0.3834

Monochromacy



Original Color

45.2491, 0.4937, 0.4462

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.9361, 0.3946, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2491, 0.4937, 0.4462 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(243, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 163, 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(243, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.2491, 0.4937, 0.4462 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(243, 163, 0) }
```

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

```
.border{ border-color:rgb(243, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(243, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 163,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2491, 0.4937, 0.4462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 163, 0) }
```

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

```
.background{ background-color: rgb(243,  
163, 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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