

Converting Colors

$Y_{xy}(44.7537, 0.5042, 0.4303)$

Have a look what the booklet for
Yxy(44.7537, 0.5042, 0.4303)
contains.

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Color

Yxy(44.5426, 0.5044, 0.4303)

Conversions

Conversions Part 1

Format	Color
Hex	FC9C19
RGB	252, 156, 25
RGB Percent	99%, 61%, 10%
CMY	0.0117, 0.3882, 0.9023
CMYK	0.00, 0.38, 0.90, 0.01
HSL	35°, 97%, 54%
HSV	35°, 90%, 99%
XYZ	52.2131, 44.5426, 6.7595
YIQ	169.7700, 99.2670, -20.3890

Conversions

Conversions Part 2

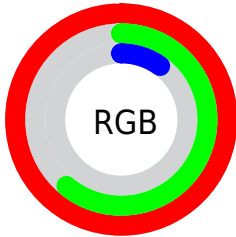
Format	Color
RYB	191, 252, 25
Decimal	16555033
CIELab	72.59, 27.64, 73.55
CIELCh	73, 78.572, 69.400
Yxy	44.5426, 0.5044, 0.4303
Android (android.graphics.Color)	4294745113 (0xFFFC9C19)
YUV	169.7700, -71.3716, 72.1157
Hunter-Lab	66.7402, 22.8510, 40.7132

Details

The Yxy color **44.5426, 0.5044, 0.4303** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **20.8913, 0.1765, 0.1487**, and the grayscale version is **40.3993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5367, 0.4315, 0.4464**, and **20.7194, 0.5262, 0.4204** is the 20% darker color. If you saturate the color by 10%, you get **41.0933, 0.5206, 0.4249**, and if you desaturate by 10%, it is **48.4405, 0.4846, 0.4308**.

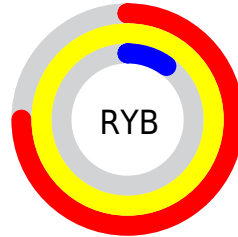
Distribution



Red (99%)

Green (61%)

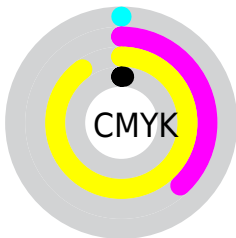
Blue (10%)



Red (75%)

Yellow (99%)

Blue (10%)

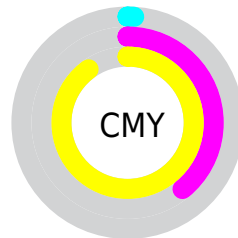


Cyan (0%)

Magenta (38%)

Yellow (90%)

Black (1%)



Cyan (1%)


Magenta (39%)


Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5426, 0.5044, 0.4303 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 44.5426, 0.5044, 0.4303 by changing the saturation by 10% instead.


 44.5426, 0.5044,
0.4303

 44.5426, 0.5044,
0.4303


364.9179, 0.4165,
0.3942


 31.0973, 0.5214,
0.4335


 82.0336, 0.4758,
0.4215

 20.6730, 0.5400,
0.4345


 106.8481, 0.4640,
0.4168


 12.8852, 0.5648,
0.4352


 136.2211, 0.4536,
0.4124

 7.3495, 0.5796,
0.4204

 170.5371, 0.4444,
0.4082

 3.6816, 0.6012,
0.3988

 210.1803, 0.4362,
0.4043

 1.4971, 0.6356,
0.3644

 255.5353, 0.4289,

 0.2867, 0.7685,

0.4007

0.2315

306.9863, 0.4224,
0.3973

■ 0.0000, 0.0000,
0.0000

■ 44.5426, 0.5044,
0.4303

■ 44.5426, 0.5044,
0.4303

■ 41.0933, 0.5206,
0.4249


■ 48.4405, 0.4846,
0.4308


■ 52.7772, 0.4619,
0.4260

■ 57.5794, 0.4376,
0.4168

■ 62.8690, 0.4131,
0.4043

■ 68.6653, 0.3894,
0.3898

 74.9864, 0.3673,
0.3744

 81.8493, 0.3471,
0.3588

 89.2697, 0.3290,
0.3436

 97.2627, 0.3129,
0.3292

Harmonies

Analogous

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



44.5426, 0.5262, 0.3556



44.5426, 0.5044, 0.4303



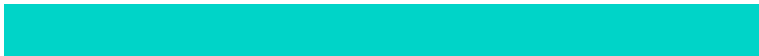
44.5426, 0.4315, 0.5030

Triad

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



44.5426, 0.5044, 0.4303



44.5426, 0.1678, 0.3487



44.5426, 0.2570, 0.1871

Complementary

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



44.5426, 0.5044, 0.4303



20.8913, 0.1765, 0.1487

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.



44.5426, 0.1816, 0.1730



44.5426, 0.5044, 0.4303



44.5426, 0.1377, 0.2435

Square

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



44.5426, 0.5044, 0.4303



44.5426, 0.2384, 0.4765



44.5426, 0.1432, 0.1887



44.5426, 0.3659, 0.2270

Rectangle

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



44.5426, 0.5044, 0.4303



44.5426, 0.3686, 0.5338



44.5426, 0.1432, 0.1887



44.5426, 0.2275, 0.1794

Sweetspot

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



44.5449, 0.5044, 0.4303



79.1452, 0.3609, 0.3695



22.8281, 0.5019, 0.2599



16.4397, 0.3680, 0.3749



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.



44.5449, 0.5044, 0.4303



42.1866, 0.5206, 0.4248



87.6854, 0.4069, 0.5106



18.8893, 0.3279, 0.3427



21.7009, 0.5184, 0.4266



2.2198, 0.5033, 0.4386

Inverse Universe

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



20.8913, 0.1765, 0.1487



17.9051, 0.1694, 0.1296



8.1726, 0.1571, 0.0683



17.8492, 0.2979, 0.3149



9.3662, 0.1702, 0.1328



1.0723, 0.1767, 0.1560

Previews

White Background



This preview shows how the Yxy color 44.5426, 0.5044, 0.4303 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 44.5426, 0.5044, 0.4303 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 44.5426, 0.5044, 0.4303

Background



This preview shows how black text looks on a background with the Yxy color 44.5426, 0.5044, 0.4303.



This preview shows how white text looks on a background with the Yxy color 44.5426, 0.5044, 0.4303.

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

44.5426, 0.5044, 0.4303

Protanopia

44.7620, 0.4347, 0.4808

Deuteranopia

44.5556, 0.4724, 0.4618



Tritanopia

44.5618, 0.4132, 0.3188

Trichromacy



Original Color

44.5426, 0.5044, 0.4303

Protanomaly

44.4302, 0.4608, 0.4622

Deuteranomaly

44.2396, 0.4847, 0.4504

Tritanomaly

43.9877, 0.4598, 0.3709

Monochromacy



Original Color

44.5426, 0.5044, 0.4303

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.4740, 0.3913, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5426, 0.5044, 0.4303 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(252, 156, 25)` looks like.

```
.text, #text, p{  
    color:rgb(252, 156, 25)  
}
```

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(252, 156, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 156, 25) }
```

Border

The CSS property to change the border of an element to Yxy 44.5426, 0.5044, 0.4303 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(252, 156, 25) }
```

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

```
.border{ border-color:rgb(252, 156, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 156, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 156, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 156, 25);  
box-shadow:4px 4px 4px 4px rgb(252, 156,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5426, 0.5044, 0.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 156, 25) }
```

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

```
.background{ background-color: rgb(252,  
156, 25) }
```

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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