

Converting Colors

$Y_{xy}(43.2239, 0.5107, 0.4209)$

Have a look what the booklet for
Yxy(43.2239, 0.5107, 0.4209)
contains.

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Color

Yxy(43.1825, 0.5109, 0.4208)

Conversions

Conversions Part 1

Format	Color
Hex	FF9621
RGB	255, 150, 33
RGB Percent	100%, 59%, 13%
CMY	0.0000, 0.4118, 0.8707
CMYK	0.00, 0.41, 0.87, 0.00
HSL	32°, 100%, 56%
HSV	32°, 87%, 100%
XYZ	52.4286, 43.1825, 7.0089
YIQ	168.0570, 100.1370, -14.1270

Conversions

Conversions Part 2

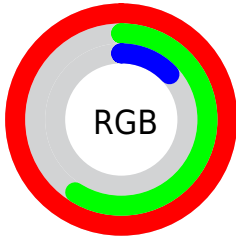
Format	Color
R _Y B	232, 255, 33
Decimal	16750113
CIE Lab	71.68, 32.13, 71.02
CIE LCh	72, 77.948, 65.654
Yxy	43.1825, 0.5109, 0.4208
Android (android.graphics.Color)	4294940193 (0xFFFF9621)
YUV	168.0570, -66.5831, 76.2490
Hunter-Lab	65.7134, 27.4154, 39.6755

Details

The Yxy color **43.1825, 0.5109, 0.4208** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.7177, 0.1832, 0.1697**, and the grayscale version is **39.4794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6780, 0.4337, 0.4385**, and **19.9418, 0.5380, 0.4110** is the 20% darker color. If you saturate the color by 10%, you get **39.4332, 0.5303, 0.4152**, and if you desaturate by 10%, it is **47.4293, 0.4875, 0.4208**.

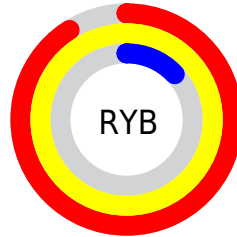
Distribution



Red (100%)

Green (59%)

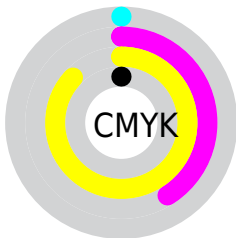
Blue (13%)



Red (91%)

Yellow (100%)

Blue (13%)

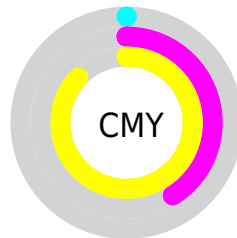


Cyan (0%)

Magenta (41%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1825, 0.5109, 0.4208 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 43.1825, 0.5109, 0.4208 by changing the saturation by 10% instead.


 43.1825, 0.5109,
0.4208

 43.1825, 0.5109,
0.4208


359.3618, 0.4186,
0.3893


 30.0283, 0.5293,
0.4230


 79.9862, 0.4805,
0.4135


 19.8601, 0.5497,
0.4227


 104.4045, 0.4680,
0.4095


 12.2934, 0.5767,
0.4213


 133.3463, 0.4571,
0.4056

 6.9438, 0.5951,
0.4049

 167.1960, 0.4475,
0.4019

 3.4270, 0.6203,
0.3797

 206.3380, 0.4390,
0.3984

 1.3585, 0.6603,
0.3397

 251.1567, 0.4314,

 0.1858, 0.8388,

0.3951

0.1612

302.0365, 0.4246,
0.3921

■ 0.0000, 0.0000,
0.0000

■ 43.1825, 0.5109,
0.4208

■ 43.1825, 0.5109,
0.4208

■ 39.4332, 0.5303,
0.4152

■ 47.4293, 0.4875,
0.4208

■ 38.4184, 0.5355,
0.4130

■ 52.2154, 0.4617,
0.4157

■ 57.5655, 0.4350,
0.4064

■ 63.5042, 0.4089,
0.3943

■ 70.0542, 0.3843,
0.3806

77.2364, 0.3619,
0.3663

85.0709, 0.3418,
0.3520

93.5762, 0.3240,
0.3383

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



43.1825, 0.5243, 0.3466



43.1825, 0.5109, 0.4208



43.1825, 0.4426, 0.4952

Triad

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



43.1825, 0.5109, 0.4208



43.1825, 0.1741, 0.3649



43.1825, 0.2453, 0.1836

Complementary

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



43.1825, 0.5109, 0.4208



25.7177, 0.1832, 0.1697

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.



43.1825, 0.1746, 0.1730



43.1825, 0.5109, 0.4208



43.1825, 0.1390, 0.2536

Square

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



43.1825, 0.5109, 0.4208



43.1825, 0.2494, 0.4900



43.1825, 0.1404, 0.1929



43.1825, 0.3514, 0.2205

Rectangle

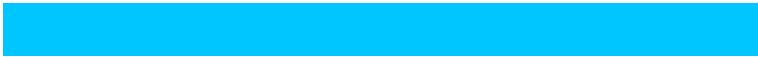
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.1825, 0.5109, 0.4208



43.1825, 0.3809, 0.5305



43.1825, 0.1404, 0.1929



43.1825, 0.2174, 0.1770

Sweetspot

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



43.1794, 0.5109, 0.4208



78.0400, 0.3596, 0.3647



24.2488, 0.4752, 0.2476



16.1505, 0.3671, 0.3697



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.



43.1794, 0.5109, 0.4208



38.4184, 0.5355, 0.4130



92.1946, 0.4141, 0.5028



19.5717, 0.3281, 0.3415



20.3760, 0.5331, 0.4149



2.2028, 0.5166, 0.4280

Inverse Universe

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



25.7177, 0.1832, 0.1697



20.8000, 0.1738, 0.1455



8.6942, 0.1569, 0.0705



18.7947, 0.2979, 0.3161



11.1623, 0.1746, 0.1485



1.3036, 0.1805, 0.1697

Previews

White Background



This preview shows how the Yxy color 43.1825, 0.5109, 0.4208 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 43.1825, 0.5109, 0.4208 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 43.1825, 0.5109, 0.4208

Background



This preview shows how black text looks on a background with the Yxy color 43.1825, 0.5109, 0.4208.



This preview shows how white text looks on a background with the Yxy color 43.1825, 0.5109, 0.4208.

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

43.1825, 0.5109, 0.4208

Protanopia

43.2096, 0.4322, 0.4765

Deuteranopia

43.2175, 0.4690, 0.4599



Tritanopia

43.1719, 0.4204, 0.3199

Trichromacy



Original Color

43.1825, 0.5109, 0.4208

Protanomaly

42.8311, 0.4617, 0.4560

Deuteranomaly

43.0524, 0.4847, 0.4454

Tritanomaly

42.9219, 0.4636, 0.3666

Monochromacy



Original Color

43.1825, 0.5109, 0.4208

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.1010, 0.3915, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1825, 0.5109, 0.4208 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(255, 150, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 33)  
}
```

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(255, 150, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 33) }
```

Border

The CSS property to change the border of an element to Yxy 43.1825, 0.5109, 0.4208 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(255, 150, 33) }
```

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

```
.border{ border-color:rgb(255, 150, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1825, 0.5109, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 33) }
```

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

```
.background{ background-color: rgb(255,  
150, 33) }
```

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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