

Converting Colors

$Y_{xy}(44.2195, 0.5038, 0.4197)$

Have a look what the booklet for
Yxy(44.2195, 0.5038, 0.4197)
contains.

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Color

Yxy(44.2169, 0.5039, 0.4199)

Conversions

Conversions Part 1

Format	Color
Hex	FF992B
RGB	255, 153, 43
RGB Percent	100%, 60%, 17%
CMY	0.0001, 0.3999, 0.8313
CMYK	0.00, 0.40, 0.83, 0.00
HSL	31°, 100%, 58%
HSV	31°, 83%, 100%
XYZ	53.0624, 44.2169, 8.0241
YIQ	170.9580, 96.1020, -12.5860

Conversions

Conversions Part 2

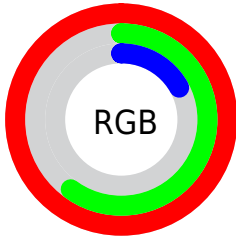
Format	Color
R _Y B	240, 255, 43
Decimal	16750891
CIE Lab	72.37, 30.79, 68.52
CIE LCh	72, 75.115, 65.805
Yxy	44.2169, 0.5039, 0.4199
Android (android.graphics.Color)	4294940971 (0xFFFF992B)
YUV	170.9580, -63.0833, 73.7048
Hunter-Lab	66.4958, 26.0720, 39.3925

Details

The Yxy color **44.2169, 0.5039, 0.4199** 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 **27.9752, 0.1874, 0.1798**, and the grayscale version is **40.9918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2726, 0.4271, 0.4351**, and **20.5138, 0.5334, 0.4146** is the 20% darker color. If you saturate the color by 10%, you get **40.2754, 0.5253, 0.4163**, and if you desaturate by 10%, it is **48.6925, 0.4790, 0.4180**.

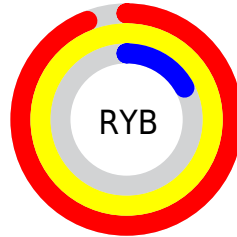
Distribution



Red (100%)

Green (60%)

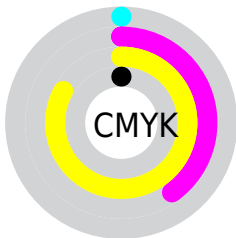
Blue (17%)



Red (94%)

Yellow (100%)

Blue (17%)

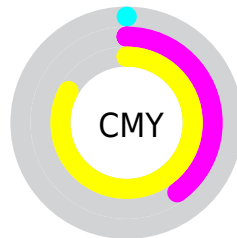


Cyan (0%)

Magenta (40%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2169, 0.5039, 0.4199 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 44.2169, 0.5039, 0.4199 by changing the saturation by 10% instead.


 44.2169, 0.5039,
0.4199

 44.2169, 0.5039,
0.4199


363.5927, 0.4144,
0.3875

 30.8411, 0.5220,
0.4228


 81.5440, 0.4741,
0.4119

 20.4779, 0.5425,
0.4236


 106.2641, 0.4621,
0.4078


 12.7429, 0.5673,
0.4222


 135.5344, 0.4515,
0.4038

 7.2517, 0.5896,
0.4104

 169.7393, 0.4422,
0.4000

 3.6200, 0.6133,
0.3867

 209.2631, 0.4340,
0.3965

 1.4634, 0.6508,
0.3492

 254.4904, 0.4267,

 0.2627, 0.7938,

0.3933

0.2062

305.8054, 0.4202,
0.3903

■ 0.0000, 0.0000,
0.0000

■ 44.2169, 0.5039,
0.4199

■ 44.2169, 0.5039,
0.4199

■ 40.2754, 0.5253,
0.4163

■ 48.6925, 0.4790,
0.4180


■ 37.8483, 0.5379,
0.4111

■ 53.7260, 0.4522,
0.4112


■ 59.3466, 0.4253,
0.4008

■ 65.5788, 0.3994,
0.3882

■ 72.4451, 0.3755,
0.3743

 79.9664, 0.3538,
0.3601

 88.1628, 0.3345,
0.3462

 97.0530, 0.3176,
0.3330

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



44.2169, 0.5158, 0.3477



44.2169, 0.5039, 0.4199



44.2169, 0.4389, 0.4905

Triad

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



44.2169, 0.5039, 0.4199



44.2169, 0.1793, 0.3632



44.2169, 0.2486, 0.1885

Complementary

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



44.2169, 0.5039, 0.4199



27.9752, 0.1874, 0.1798

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.



44.2169, 0.1796, 0.1781



44.2169, 0.5039, 0.4199



44.2169, 0.1448, 0.2569

Square

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



44.2169, 0.5039, 0.4199



44.2169, 0.2524, 0.4813



44.2169, 0.1460, 0.1978



44.2169, 0.3506, 0.2246

Rectangle

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



44.2169, 0.5039, 0.4199



44.2169, 0.3795, 0.5226



44.2169, 0.1460, 0.1978



44.2169, 0.2215, 0.1820

Sweetspot

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



44.2192, 0.5039, 0.4199



78.5240, 0.3577, 0.3628



25.0435, 0.4650, 0.2465



16.2348, 0.3652, 0.3678



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.



44.2192, 0.5039, 0.4199



37.8546, 0.5379, 0.4111



92.2748, 0.4127, 0.5001



19.5467, 0.3281, 0.3414



20.0807, 0.5355, 0.4130



2.1740, 0.5186, 0.4264

Inverse Universe

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



27.9752, 0.1874, 0.1798



21.3020, 0.1745, 0.1481



9.5408, 0.1605, 0.0763



18.8196, 0.2979, 0.3163



11.4262, 0.1753, 0.1511



1.3299, 0.1812, 0.1721

Previews

White Background



This preview shows how the Yxy color 44.2169, 0.5039, 0.4199 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 44.2169, 0.5039, 0.4199 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 44.2169, 0.5039, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 44.2169, 0.5039, 0.4199.



This preview shows how white text looks on a background with the Yxy color 44.2169, 0.5039, 0.4199.

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

44.2169, 0.5039, 0.4199

Protanopia

44.3419, 0.4288, 0.4718

Deuteranopia

44.3446, 0.4647, 0.4556



Tritanopia

44.1843, 0.4158, 0.3199

Trichromacy



Original Color

44.2169, 0.5039, 0.4199

Protanomaly

43.7968, 0.4567, 0.4523

Deuteranomaly

43.9965, 0.4794, 0.4421

Tritanomaly

43.9698, 0.4566, 0.3649

Monochromacy



Original Color

44.2169, 0.5039, 0.4199

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.5627, 0.3873, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2169, 0.5039, 0.4199 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, 153, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 43)  
}
```

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, 153, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 43) }
```

Border

The CSS property to change the border of an element to Yxy 44.2169, 0.5039, 0.4199 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, 153, 43) }
```

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

```
.border{ border-color:rgb(255, 153, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2169, 0.5039, 0.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 43) }
```

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

```
.background{ background-color: rgb(255,  
153, 43) }
```

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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