

Converting Colors

$Y_{xy}(39.6818, 0.5094, 0.4275)$

Have a look what the booklet for
Yxy(39.6818, 0.5094, 0.4275)
contains.

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Color

Yxy(39.6666, 0.5099, 0.4269)

Conversions

Conversions Part 1

Format	Color
Hex	F39215
RGB	243, 146, 21
RGB Percent	95%, 57%, 8%
CMY	0.0470, 0.4274, 0.9173
CMYK	0.00, 0.40, 0.91, 0.05
HSL	34°, 90%, 52%
HSV	34°, 91%, 95%
XYZ	47.3788, 39.6666, 5.8724
YIQ	160.7530, 97.9370, -18.3110

Conversions

Conversions Part 2

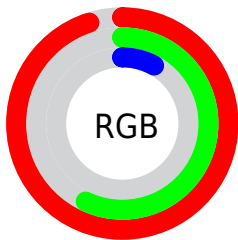
Format	Color
RYB	193, 243, 21
Decimal	15962645
CIELab	69.23, 29.07, 71.39
CIELCh	69, 77.079, 67.843
Yxy	39.6666, 0.5099, 0.4269
Android (android.graphics.Color)	4294152725 (0xFFFF39215)
YUV	160.7530, -68.8982, 72.1306
Hunter-Lab	62.9814, 24.0620, 38.5588

Details

The Yxy color **39.6666, 0.5099, 0.4269** 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 **19.6090, 0.1768, 0.1509**, and the grayscale version is **35.8173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1931, 0.4416, 0.4398**, and **17.8877, 0.5323, 0.4155** is the 20% darker color. If you saturate the color by 10%, you get **36.8866, 0.5245, 0.4217**, and if you desaturate by 10%, it is **43.2352, 0.4898, 0.4283**.

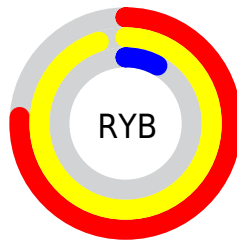
Distribution



Red (95%)

Green (57%)

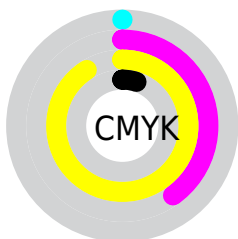
Blue (8%)



Red (76%)

Yellow (95%)

Blue (8%)

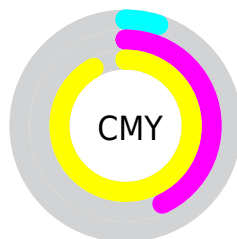


Cyan (0%)

Magenta (40%)

Yellow (91%)

Black (5%)



Cyan (5%)

Magenta (43%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6666, 0.5099, 0.4269 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 39.6666, 0.5099, 0.4269 by changing the saturation by 10% instead.


 39.6666, 0.5099,
0.4269

 39.6666, 0.5099,
0.4269

344.7163, 0.4175,
0.3922

 27.2787, 0.5281,
0.4294


 74.6556, 0.4795,
0.4187

 17.7826, 0.5480,
0.4292

 98.0254, 0.4671,
0.4143

 10.7940, 0.5732,
0.4268


 125.8247, 0.4561,
0.4100

 5.9285, 0.5905,
0.4095

 158.4378, 0.4465,
0.4059

 2.8017, 0.6165,
0.3835

 196.2491, 0.4379,
0.4021

 1.0291, 0.6592,
0.3408

 239.6430, 0.4304,

 0.0000, 1.0000,

0.3985

0.0000

289.0040, 0.4236,
0.3953

■ 0.0000, 0.0000,
0.0000

■ 39.6666, 0.5099,
0.4269

■ 39.6666, 0.5099,
0.4269

■ 36.8866, 0.5245,
0.4217

■ 43.2352, 0.4898,
0.4283

■ 47.2217, 0.4667,
0.4244

■ 51.6519, 0.4419,
0.4159

■ 56.5467, 0.4168,
0.4040

■ 61.9248, 0.3927,
0.3901

67.8034, 0.3701,
0.3751

74.1989, 0.3495,
0.3598

81.1265, 0.3311,
0.3450

88.6006, 0.3147,
0.3308

Harmonies

Analogous

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



39.6666, 0.5291, 0.3515



39.6666, 0.5099, 0.4269



39.6666, 0.4374, 0.5020

Triad

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



39.6666, 0.5099, 0.4269



39.6666, 0.1680, 0.3556



39.6666, 0.2509, 0.1836

Complementary

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



39.6666, 0.5099, 0.4269



19.6090, 0.1768, 0.1509

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.



39.6666, 0.1767, 0.1708



39.6666, 0.5099, 0.4269



39.6666, 0.1357, 0.2459

Square

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



39.6666, 0.5099, 0.4269



39.6666, 0.2414, 0.4856



39.6666, 0.1397, 0.1882



39.6666, 0.3606, 0.2227

Rectangle

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



39.6666, 0.5099, 0.4269



39.6666, 0.3739, 0.5361



39.6666, 0.1397, 0.1882



39.6666, 0.2218, 0.1763

Sweetspot

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



39.6687, 0.5099, 0.4269



78.6108, 0.3611, 0.3686



20.9744, 0.4984, 0.2569



16.3137, 0.3683, 0.3738



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.



39.6687, 0.5099, 0.4269



41.0669, 0.5249, 0.4215



81.3001, 0.4098, 0.5091



18.0303, 0.3279, 0.3423



20.5169, 0.5224, 0.4234



2.0076, 0.5059, 0.4365

Inverse Universe

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



19.6090, 0.1768, 0.1509



18.6899, 0.1706, 0.1340



7.3207, 0.1554, 0.0667



17.1185, 0.2980, 0.3153



9.4911, 0.1715, 0.1374



1.0349, 0.1782, 0.1615

Previews

White Background



This preview shows how the Yxy color 39.6666, 0.5099, 0.4269 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 39.6666, 0.5099, 0.4269 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 39.6666, 0.5099, 0.4269

Background



This preview shows how black text looks on a background with the Yxy color 39.6666, 0.5099, 0.4269.



This preview shows how white text looks on a background with the Yxy color 39.6666, 0.5099, 0.4269.

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

39.6666, 0.5099, 0.4269

Protanopia

39.9097, 0.4352, 0.4815

Tritanopia

39.6401, 0.4236, 0.3186

Trichromacy



Original Color

39.6666, 0.5099, 0.4269

Protanomaly

39.2616, 0.4637, 0.4609

Tritanomaly

39.2886, 0.4679, 0.3696

Monochromacy



Original Color

39.6666, 0.5099, 0.4269

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.9791, 0.3935, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6666, 0.5099, 0.4269 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, 146, 21)` looks like.

```
.text, #text, p{  
    color:rgb(243, 146, 21)  
}
```

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, 146, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 146, 21) }
```

Border

The CSS property to change the border of an element to Yxy 39.6666, 0.5099, 0.4269 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, 146, 21) }
```

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

```
.border{ border-color:rgb(243, 146, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 146, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 146, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 146, 21);  
box-shadow:4px 4px 4px 4px rgb(243, 146,  
21) }
```

Background

The CSS property to change the background color of an element to Yxy 39.6666, 0.5099, 0.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 146, 21) }
```

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

```
.background{ background-color: rgb(243,  
146, 21) }
```

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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