

Converting Colors

$Yxy(39.1837, 0.5086, 0.4192)$

Have a look what the booklet for
Yxy(39.1837, 0.5086, 0.4192)
contains.

Yxy(39.3070, 0.5083, 0.4197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.3070, 0.5083, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	F49024
RGB	244, 144, 36
RGB Percent	96%, 56%, 14%
CMY	0.0431, 0.4353, 0.8590
CMYK	0.00, 0.41, 0.85, 0.04
HSL	31°, 90%, 55%
HSV	31°, 85%, 96%
XYZ	47.6048, 39.3070, 6.7432
YIQ	161.5880, 94.2680, -12.3880

Conversions

Conversions Part 2

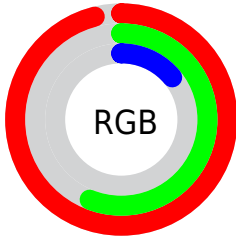
Format	Color
R_{YB}	229, 244, 36
Decimal	16027684
CIE _{Lab}	68.97, 30.81, 67.38
CIE _{LCh}	69, 74.089, 65.424
Yxy	39.3070, 0.5083, 0.4197
Android (android.graphics.Color)	4294217764 (0xFFFF49024)
YUV	161.5880, -61.9149, 72.2753
Hunter-Lab	62.6953, 25.8191, 37.5098

Details

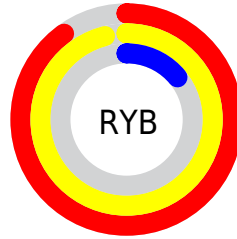
The Yxy color **39.3070, 0.5083, 0.4197** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **24.5101, 0.1856, 0.1759**, and the grayscale version is **36.1892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4209, 0.4382, 0.4316**, and **17.6525, 0.5364, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **35.8366, 0.5289, 0.4150**, and if you desaturate by 10%, it is **43.2521, 0.4840, 0.4188**.

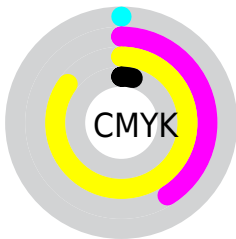
Distribution



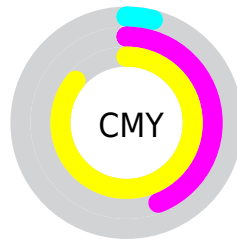
- Red (96%)
- Green (56%)
- Blue (14%)



- Red (90%)
- Yellow (96%)
- Blue (14%)



- Cyan (0%)
- Magenta (41%)
- Yellow (85%)
- Black (4%)





- Cyan (4%)
- Magenta (44%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3070, 0.5083, 0.4197 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 39.3070, 0.5083, 0.4197 by changing the saturation by 10% instead.


 39.3070, 0.5083,
0.4197


 39.3070, 0.5083,
0.4197


343.1940, 0.4151,
0.3873

 26.9986, 0.5274,
0.4222

 74.1071, 0.4771,
0.4119


 17.5722, 0.5488,
0.4221


 97.3676, 0.4645,
0.4078

 10.6433, 0.5783,
0.4217


 125.0476, 0.4535,
0.4038

 5.8275, 0.5967,
0.4033

 157.5315, 0.4438,
0.4000

 2.7405, 0.6241,
0.3759

 195.2037, 0.4353,
0.3964

 0.9978, 0.6692,
0.3308

 238.4486, 0.4278,

 0.0000, 1.0000,

0.3932

0.0000

287.6505, 0.4211,
0.3901

■ 0.0000, 0.0000,
0.0000

■ 39.3070, 0.5083,
0.4197

■ 39.3070, 0.5083,
0.4197

■ 35.8366, 0.5289,
0.4150

■ 43.2521, 0.4840,
0.4188


■ 34.3407, 0.5375,
0.4114


■ 47.6943, 0.4575,
0.4129

■ 52.6603, 0.4306,
0.4032


■ 58.1725, 0.4045,
0.3909

■ 64.2514, 0.3802,
0.3772

 70.9161, 0.3581,
0.3631

 78.1847, 0.3384,
0.3491

 86.0743, 0.3210,
0.3357

 94.5641, 0.3061,
0.3237

Harmonies

Analogous

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



39.3070, 0.5204, 0.3464



39.3070, 0.5083, 0.4197



39.3070, 0.4418, 0.4925

Triad

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



39.3070, 0.5083, 0.4197



39.3070, 0.1769, 0.3654



39.3070, 0.2459, 0.1855

Complementary

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



39.3070, 0.5083, 0.4197



24.5101, 0.1856, 0.1759

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.



39.3070, 0.1763, 0.1752



39.3070, 0.5083, 0.4197



39.3070, 0.1417, 0.2559

Square

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



39.3070, 0.5083, 0.4197



39.3070, 0.2516, 0.4872



39.3070, 0.1427, 0.1954



39.3070, 0.3499, 0.2218

Rectangle

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



39.3070, 0.5083, 0.4197



39.3070, 0.3812, 0.5268



39.3070, 0.1427, 0.1954



39.3070, 0.2184, 0.1790

Sweetspot

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



39.3091, 0.5083, 0.4197



77.7643, 0.3598, 0.3642



22.2883, 0.4700, 0.2469



16.0853, 0.3672, 0.3691



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.



39.3091, 0.5083, 0.4197



37.8743, 0.5379, 0.4111



83.4630, 0.4134, 0.5015



17.9061, 0.3281, 0.3413



18.9446, 0.5351, 0.4133



1.8709, 0.5167, 0.4279

Inverse Universe

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



24.5101, 0.1856, 0.1759



21.2841, 0.1745, 0.1481



8.2316, 0.1586, 0.0733



17.2413, 0.2980, 0.3164



10.7781, 0.1754, 0.1513



1.1520, 0.1818, 0.1745

Previews

White Background



This preview shows how the Yxy color 39.3070, 0.5083, 0.4197 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 39.3070, 0.5083, 0.4197 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 39.3070, 0.5083, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 39.3070, 0.5083, 0.4197.



This preview shows how white text looks on a background with the Yxy color 39.3070, 0.5083, 0.4197.

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

39.3070, 0.5083, 0.4197

Protanopia

39.4903, 0.4305, 0.4743

Deuteranopia

39.3623, 0.4673, 0.4576



Tritanopia

39.2035, 0.4278, 0.3187

Trichromacy



Original Color

39.3070, 0.5083, 0.4197

Protanomaly

38.9965, 0.4598, 0.4536

Deuteranomaly

39.0522, 0.4827, 0.4432

Tritanomaly

38.9710, 0.4663, 0.3635

Monochromacy



Original Color

39.3070, 0.5083, 0.4197

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.9101, 0.3893, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3070, 0.5083, 0.4197 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(244, 144, 36)` looks like.

```
.text, #text, p{  
    color:rgb(244, 144, 36)  
}
```

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(244, 144, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 144, 36) }
```

Border

The CSS property to change the border of an element to Yxy 39.3070, 0.5083, 0.4197 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(244, 144, 36) }
```

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

```
.border{ border-color:rgb(244, 144, 36) }
```

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

Here you see how a box with a 4 pixel rgb(244, 144, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 144, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 144, 36);  
box-shadow:4px 4px 4px 4px rgb(244, 144,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3070, 0.5083, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 144, 36) }
```

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

```
.background{ background-color: rgb(244,  
144, 36) }
```

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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