

Converting Colors

$Y_{xy}(40.4090, 0.5081, 0.3989)$

Have a look what the booklet for
Yxy(40.4090, 0.5081, 0.3989)
contains.

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Color

Yxy(40.3424, 0.5086, 0.3989)

Conversions

Conversions Part 1

Format	Color
Hex	FF8C3C
RGB	255, 140, 60
RGB Percent	100%, 55%, 24%
CMY	0.0000, 0.4510, 0.7646
CMYK	0.00, 0.45, 0.76, 0.00
HSL	25°, 100%, 62%
HSV	25°, 76%, 100%
XYZ	51.4368, 40.3424, 9.3549
YIQ	165.2650, 94.2200, -0.5000

Conversions

Conversions Part 2

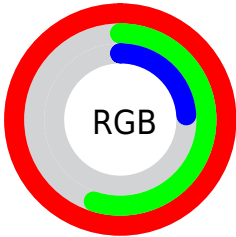
Format	Color
R _Y B	255, 196, 60
Decimal	16747580
CIE Lab	69.71, 38.01, 59.53
CIE LCh	70, 70.627, 57.444
Yxy	40.3424, 0.5086, 0.3989
Android (android.graphics.Color)	4294937660 (0xFFFF8C3C)
YUV	165.2650, -51.8956, 78.6976
Hunter-Lab	63.5157, 33.4020, 35.7284

Details

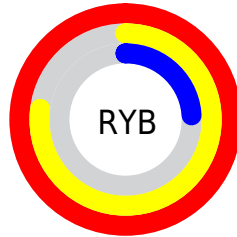
The Yxy color **40.3424, 0.5086, 0.3989** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **38.8538, 0.2022, 0.2228**, and the grayscale version is **37.9823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4601, 0.4275, 0.4126**, and **18.1859, 0.5533, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **36.0357, 0.5380, 0.3967**, and if you desaturate by 10%, it is **45.3809, 0.4767, 0.3960**.

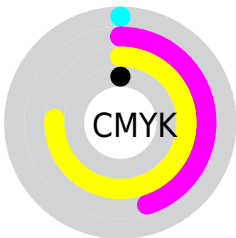
Distribution



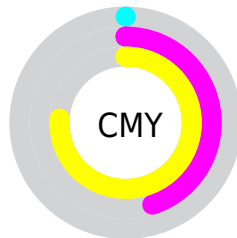
- Red (100%)
- Green (55%)
- Blue (24%)



- Red (100%)
- Yellow (77%)
- Blue (24%)



- Cyan (0%)
- Magenta (45%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3424, 0.5086, 0.3989 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 40.3424, 0.5086, 0.3989 by changing the saturation by 10% instead.


 40.3424, 0.5086,
0.3989


 40.3424, 0.5086,
0.3989


347.5646, 0.4130,
0.3751


 27.8056, 0.5295,
0.4003


 75.6846, 0.4756,
0.3935


 18.1792, 0.5540,
0.3995


 99.2589, 0.4626,
0.3905

 11.0787, 0.5830,
0.3947


 127.2810, 0.4514,
0.3875

 6.1198, 0.6174,
0.3826

 160.1355, 0.4417,
0.3847

 2.9181, 0.6482,
0.3518

 198.2067, 0.4331,
0.3821

 1.0891, 0.6971,
0.3029

241.8790, 0.4256,

 0.0000, 1.0000,

0.3796

0.0000

291.5369, 0.4189,
0.3773

■ 0.0000, 0.0000,
0.0000

■ 40.3424, 0.5086,
0.3989

■ 40.3424, 0.5086,
0.3989

■ 36.0357, 0.5380,
0.3967

■ 45.3809, 0.4767,
0.3960

■ 32.4142, 0.5624,
0.3890

■ 51.1888, 0.4448,
0.3892

■ 31.2802, 0.5701,
0.3856

■ 57.8023, 0.4145,
0.3797

■ 65.2544, 0.3870,
0.3689

■ 73.5760, 0.3626,
0.3576

 82.7962, 0.3414,
0.3463

 92.9427, 0.3231,
0.3356

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.



40.3424, 0.5008, 0.3293



40.3424, 0.5086, 0.3989



40.3424, 0.4577, 0.4694

Triad

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



40.3424, 0.5086, 0.3989



40.3424, 0.1994, 0.3962



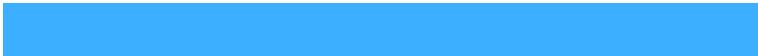
40.3424, 0.2280, 0.1862

Complementary

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



40.3424, 0.5086, 0.3989



38.8538, 0.2022, 0.2228

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.



40.3424, 0.1704, 0.1839



40.3424, 0.5086, 0.3989



40.3424, 0.1545, 0.2839

Square

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



40.3424, 0.5086, 0.3989



40.3424, 0.2795, 0.4982



40.3424, 0.1463, 0.2131



40.3424, 0.3199, 0.2150

Rectangle

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



40.3424, 0.5086, 0.3989



40.3424, 0.4039, 0.5072



40.3424, 0.1463, 0.2131



40.3424, 0.2049, 0.1824

Sweetspot

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



40.3430, 0.5086, 0.3989



76.6613, 0.3549, 0.3536



27.6699, 0.4139, 0.2255



15.7193, 0.3630, 0.3577



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.



40.3430, 0.5086, 0.3989



33.9472, 0.5522, 0.3931



81.2918, 0.4245, 0.4799



19.2106, 0.3284, 0.3388



16.6209, 0.5672, 0.3879



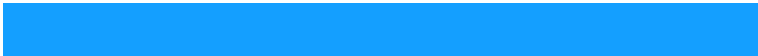
1.8270, 0.5466, 0.4042

Inverse Universe

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



38.8538, 0.2022, 0.2228



32.0921, 0.1896, 0.1981



13.8502, 0.1715, 0.1044



19.1589, 0.2979, 0.3190



15.5397, 0.1857, 0.1884



1.7282, 0.1906, 0.2060

Previews

White Background



This preview shows how the Yxy color 40.3424, 0.5086, 0.3989 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 40.3424, 0.5086, 0.3989 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 40.3424, 0.5086, 0.3989

Background



This preview shows how black text looks on a background with the Yxy color 40.3424, 0.5086, 0.3989.



This preview shows how white text looks on a background with the Yxy color 40.3424, 0.5086, 0.3989.

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

40.3424, 0.5086, 0.3989

Protanopia

40.5026, 0.4149, 0.4557

Deuteranopia

40.3938, 0.4554, 0.4455



Tritanopia

40.2934, 0.4347, 0.3201

Trichromacy



Original Color

40.3424, 0.5086, 0.3989

Protanomaly

39.8311, 0.4498, 0.4340

Deuteranomaly

40.0547, 0.4755, 0.4272

Tritanomaly

40.0606, 0.4666, 0.3525

Monochromacy



Original Color

40.3424, 0.5086, 0.3989

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.3150, 0.3841, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3424, 0.5086, 0.3989 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, 140, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 60)  
}
```

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, 140, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 60) }
```

Border

The CSS property to change the border of an element to Yxy 40.3424, 0.5086, 0.3989 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, 140, 60) }
```

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

```
.border{ border-color:rgb(255, 140, 60) }
```

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

Here you see how a box with a 4 pixel rgb(255, 140, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3424, 0.5086, 0.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 60) }
```

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

```
.background{ background-color: rgb(255,  
140, 60) }
```

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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