

Converting Colors

$Y_{xy}(40.6479, 0.5190, 0.4121)$

Have a look what the booklet for
Yxy(40.6479, 0.5190, 0.4121)
contains.

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Color

Yxy(40.7334, 0.5186, 0.4123)

Conversions

Conversions Part 1

Format	Color
Hex	FF8E24
RGB	255, 142, 36
RGB Percent	100%, 56%, 14%
CMY	0.0000, 0.4431, 0.8590
CMYK	0.00, 0.44, 0.86, 0.00
HSL	29°, 100%, 57%
HSV	29°, 86%, 100%
XYZ	51.2354, 40.7334, 6.8268
YIQ	163.7030, 101.3740, -9.0100

Conversions

Conversions Part 2

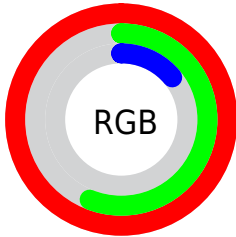
Format	Color
R _Y B	255, 241, 36
Decimal	16748068
CIE Lab	69.99, 36.28, 68.80
CIE LCh	70, 77.784, 62.195
Yxy	40.7334, 0.5186, 0.4123
Android (android.graphics.Color)	4294938148 (0xFFFF8E24)
YUV	163.7030, -62.9576, 80.0675
Hunter-Lab	63.8227, 31.6058, 38.3340

Details

The Yxy color **40.7334, 0.5186, 0.4123** 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 **29.0743, 0.1877, 0.1849**, and the grayscale version is **37.2408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9652, 0.4389, 0.4307**, and **18.3887, 0.5495, 0.4019** is the 20% darker color. If you saturate the color by 10%, you get **36.9422, 0.5404, 0.4064**, and if you desaturate by 10%, it is **45.0955, 0.4927, 0.4127**.

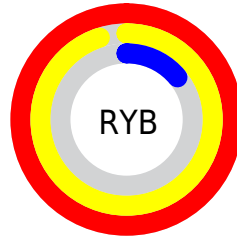
Distribution



Red (100%)

Green (56%)

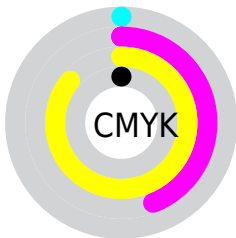
Blue (14%)



Red (100%)

Yellow (95%)

Blue (14%)

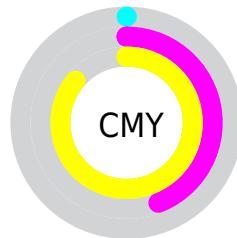


Cyan (0%)

Magenta (44%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (44%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7334, 0.5186, 0.4123 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 40.7334, 0.5186, 0.4123 by changing the saturation by 10% instead.


 40.7334, 0.5186,
0.4123


 40.7334, 0.5186,
0.4123


349.2051, 0.4211,
0.3851


 28.1108, 0.5385,
0.4134


 76.2790, 0.4861,
0.4066


 18.4092, 0.5608,
0.4116


 99.9709, 0.4729,
0.4032


 11.2442, 0.5911,
0.4085


 128.1212, 0.4614,
0.3998

 6.2313, 0.6115,
0.3885

 161.1146, 0.4512,
0.3965

 2.9862, 0.6410,
0.3590

 199.3352, 0.4423,
0.3933

 1.1246, 0.6880,
0.3120

 243.1676, 0.4344,

 0.0000, 1.0000,

0.3904

0.0000

292.9961, 0.4274,
0.3876

■ 0.0000, 0.0000,
0.0000

■ 40.7334, 0.5186,
0.4123

■ 40.7334, 0.5186,
0.4123

■ 36.9422, 0.5404,
0.4064

■ 45.0955, 0.4927,
0.4127

■ 35.5383, 0.5483,
0.4028

■ 50.0664, 0.4645,
0.4079

■ 55.6762, 0.4359,
0.3991

■ 61.9526, 0.4085,
0.3878

■ 68.9214, 0.3830,
0.3750

76.6065, 0.3601,
0.3618

85.0305, 0.3398,
0.3487

94.2149, 0.3221,
0.3361

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.



40.7334, 0.5245, 0.3379



40.7334, 0.5186, 0.4123



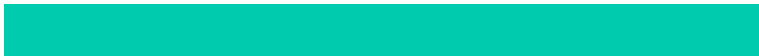
40.7334, 0.4537, 0.4890

Triad

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



40.7334, 0.5186, 0.4123



40.7334, 0.1787, 0.3810



40.7334, 0.2339, 0.1791

Complementary

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



40.7334, 0.5186, 0.4123



29.0743, 0.1877, 0.1849

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.



40.7334, 0.1670, 0.1715



40.7334, 0.5186, 0.4123



40.7334, 0.1388, 0.2625

Square

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



40.7334, 0.5186, 0.4123



40.7334, 0.2589, 0.5044



40.7334, 0.1364, 0.1955



40.7334, 0.3382, 0.2135

Rectangle

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



40.7334, 0.5186, 0.4123



40.7334, 0.3925, 0.5291



40.7334, 0.1364, 0.1955



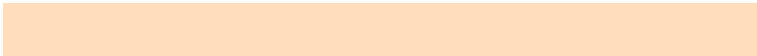
40.7334, 0.2072, 0.1734

Sweetspot

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



40.7326, 0.5186, 0.4123



76.5271, 0.3603, 0.3619



24.6928, 0.4604, 0.2403



15.7930, 0.3680, 0.3665



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.



40.7326, 0.5186, 0.4123



35.5383, 0.5483, 0.4028



90.5998, 0.4187, 0.4981



19.4385, 0.3282, 0.3405



18.8655, 0.5457, 0.4049



2.0545, 0.5275, 0.4193

Inverse Universe

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



29.0743, 0.1877, 0.1849



23.6002, 0.1778, 0.1599



9.0851, 0.1575, 0.0733



18.9277, 0.2979, 0.3172



12.6322, 0.1785, 0.1627



1.4488, 0.1841, 0.1828

Previews

White Background



This preview shows how the Yxy color 40.7334, 0.5186, 0.4123 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 40.7334, 0.5186, 0.4123 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 40.7334, 0.5186, 0.4123

Background



This preview shows how black text looks on a background with the Yxy color 40.7334, 0.5186, 0.4123.



This preview shows how white text looks on a background with the Yxy color 40.7334, 0.5186, 0.4123.

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

40.7334, 0.5186, 0.4123

Protanopia

41.0244, 0.4297, 0.4739

Deuteranopia

41.0080, 0.4683, 0.4587



Tritanopia

40.6016, 0.4330, 0.3200

Trichromacy



Original Color

40.7334, 0.5186, 0.4123

Protanomaly

40.2488, 0.4638, 0.4502

Deuteranomaly

40.5155, 0.4881, 0.4406

Tritanomaly

40.4569, 0.4733, 0.3621

Monochromacy



Original Color

40.7334, 0.5186, 0.4123

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.9316, 0.3930, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7334, 0.5186, 0.4123 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, 142, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 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(255, 142, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 36) }
```

Border

The CSS property to change the border of an element to Yxy 40.7334, 0.5186, 0.4123 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, 142, 36) }
```

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

```
.border{ border-color:rgb(255, 142, 36) }
```

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

Here you see how a box with a 4 pixel rgb(255, 142, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7334, 0.5186, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 36) }
```

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

```
.background{ background-color: rgb(255,  
142, 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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