

Converting Colors

$Y_{xy}(33.2893, 0.4928, 0.3842)$

Have a look what the booklet for
Yxy(33.2893, 0.4928, 0.3842)
contains.

Yxy(33.4252, 0.4931, 0.3843)	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(33.4252, 0.4931, 0.3843)

Conversions

Conversions Part 1

Format	Color
Hex	EA804A
RGB	234, 128, 74
RGB Percent	92%, 50%, 29%
CMY	0.0823, 0.4980, 0.7099
CMYK	0.00, 0.45, 0.68, 0.08
HSL	20°, 79%, 60%
HSV	20°, 68%, 92%
XYZ	42.8883, 33.4252, 10.6634
YIQ	153.5380, 80.5100, 5.6780

Conversions

Conversions Part 2

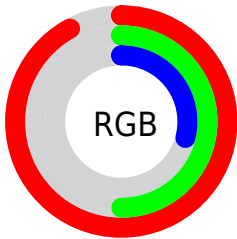
Format	Color
RYB	234, 156, 74
Decimal	15368266
CIELab	64.50, 36.51, 46.61
CIELCh	65, 59.205, 51.933
Yxy	33.4252, 0.4931, 0.3843
Android (android.graphics.Color)	4293558346 (0xFFEA804A)
YUV	153.5380, -39.2122, 70.5652
Hunter-Lab	57.8145, 31.2404, 29.5347

Details

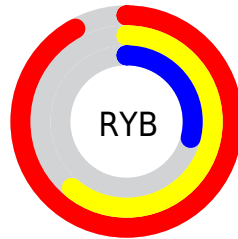
The Yxy color **33.4252, 0.4931, 0.3843** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **40.0265, 0.2154, 0.2537**, and the grayscale version is **32.2500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1966, 0.4257, 0.3879**, and **14.2622, 0.5431, 0.3861** is the 20% darker color. If you saturate the color by 10%, you get **29.4288, 0.5282, 0.3850**, and if you desaturate by 10%, it is **38.1600, 0.4578, 0.3797**.

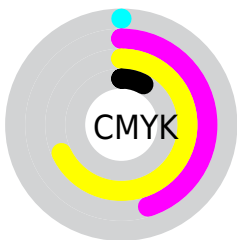
Distribution



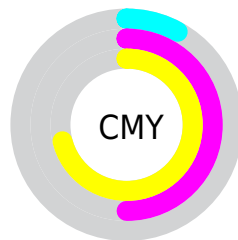
- Red (92%)
- Green (50%)
- Blue (29%)



- Red (92%)
- Yellow (61%)
- Blue (29%)



- Cyan (0%)
- Magenta (45%)
- Yellow (68%)
- Black (8%)




- Cyan (8%)
- Magenta (50%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4252, 0.4931, 0.3843 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 33.4252, 0.4931, 0.3843 by changing the saturation by 10% instead.


 33.4252, 0.4931,
0.3843


 33.4252, 0.4931,
0.3843

317.5614, 0.4000,
0.3639


 22.4524, 0.5156,
0.3860


 65.0388, 0.4595,
0.3792


 14.1897, 0.5432,
0.3857


 86.4484, 0.4467,
0.3766

 8.2527, 0.5771,
0.3813


 112.1056, 0.4359,
0.3741

 4.2571, 0.6269,
0.3731

 142.3950, 0.4266,
0.3717

 1.8184, 0.6647,
0.3353

 177.7009, 0.4186,
0.3695

 0.4986, 0.7481,
0.2519

218.4076, 0.4116,


 0.0000, 1.0000,


0.3675


0.0000


264.8997, 0.4055,
0.3656


 0.0000, 0.0000,
0.0000

 33.4252, 0.4931,
0.3843


 33.4252, 0.4931,
0.3843

 29.4288, 0.5282,
0.3850

 38.1600, 0.4578,
0.3797


 26.1238, 0.5599,
0.3808


 43.6658, 0.4245,
0.3724


 23.4622, 0.5855,
0.3719


 49.9792, 0.3945,
0.3637


 23.0876, 0.5892,
0.3704


 57.1328, 0.3682,
0.3543

 65.1572, 0.3457,
0.3450

 74.0816, 0.3265,
0.3361

 83.9335, 0.3103,
0.3277

 94.3353, 0.2999,
0.3260

 96.2340, 0.2999,
0.3290

Harmonies

Analogous

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



33.4252, 0.4728, 0.3201



33.4252, 0.4931, 0.3843



33.4252, 0.4575, 0.4484

Triad

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



33.4252, 0.4931, 0.3843



33.4252, 0.2227, 0.4081



33.4252, 0.2241, 0.1959

Complementary

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



33.4252, 0.4931, 0.3843



40.0265, 0.2154, 0.2537

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.



33.4252, 0.1762, 0.1993



33.4252, 0.4931, 0.3843



33.4252, 0.1737, 0.3064

Square

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



33.4252, 0.4931, 0.3843



33.4252, 0.3004, 0.4872



33.4252, 0.1592, 0.2338



33.4252, 0.3028, 0.2183

Rectangle

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



33.4252, 0.4931, 0.3843



33.4252, 0.4125, 0.4834



33.4252, 0.1592, 0.2338



33.4252, 0.2046, 0.1940

Sweetspot

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



33.4270, 0.4931, 0.3843



76.4387, 0.3515, 0.3475



25.7092, 0.3835, 0.2206



15.7762, 0.3576, 0.3501



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.



33.4270, 0.4931, 0.3843



34.0631, 0.5414, 0.3840



62.7761, 0.4236, 0.4619



15.8852, 0.3284, 0.3370



13.1812, 0.5864, 0.3726



1.2071, 0.5596, 0.3939

Inverse Universe

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



40.0265, 0.2154, 0.2537



42.2455, 0.2028, 0.2354



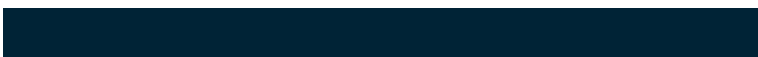
16.6329, 0.1876, 0.1400



16.2155, 0.2981, 0.3209



16.7519, 0.1930, 0.2148



1.4920, 0.1979, 0.2325

Previews

White Background



This preview shows how the Yxy color 33.4252, 0.4931, 0.3843 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 33.4252, 0.4931, 0.3843 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 33.4252, 0.4931, 0.3843

Background



This preview shows how black text looks on a background with the Yxy color 33.4252, 0.4931, 0.3843.



This preview shows how white text looks on a background with the Yxy color 33.4252, 0.4931, 0.3843.

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

33.4252, 0.4931, 0.3843

Protanopia

33.6227, 0.3980, 0.4337

Deuteranopia

33.3939, 0.4382, 0.4295



Tritanopia

33.2910, 0.4394, 0.3194

Trichromacy



Original Color

33.4252, 0.4931, 0.3843

Protanomaly

32.7391, 0.4329, 0.4140

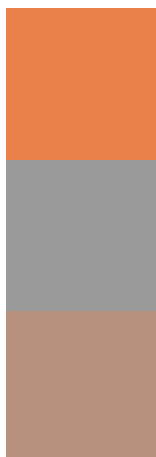
Deuteranomaly

33.0600, 0.4596, 0.4111

Tritanomaly

33.3740, 0.4607, 0.3447

Monochromacy



Original Color

33.4252, 0.4931, 0.3843

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.7987, 0.3751, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4252, 0.4931, 0.3843 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(234, 128, 74)` looks like.

```
.text, #text, p{  
    color:rgb(234, 128, 74)  
}
```

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(234, 128, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 128, 74) }
```

Border

The CSS property to change the border of an element to Yxy 33.4252, 0.4931, 0.3843 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(234, 128, 74) }
```

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

```
.border{ border-color:rgb(234, 128, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 128, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 128, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 128, 74);  
box-shadow:4px 4px 4px 4px rgb(234, 128,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4252, 0.4931, 0.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 128, 74) }
```

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

```
.background{ background-color: rgb(234,  
128, 74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor