

Converting Colors

$Y_{xy}(32.2727, 0.4797, 0.3818)$

Have a look what the booklet for
Yxy(32.2727, 0.4797, 0.3818)
contains.

Yxy(32.1863, 0.4803, 0.3814)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.1863, 0.4803, 0.3814)

Conversions

Conversions Part 1

Format	Color
Hex	E28050
RGB	226, 128, 80
RGB Percent	89%, 50%, 31%
CMY	0.1137, 0.4980, 0.6862
CMYK	0.00, 0.43, 0.65, 0.11
HSL	20°, 72%, 60%
HSV	20°, 65%, 89%
XYZ	40.5325, 32.1863, 11.6711
YIQ	151.8300, 73.8160, 5.8480

Conversions

Conversions Part 2

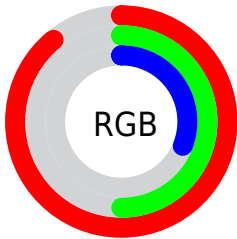
Format	Color
R _Y B	226, 152, 80
Decimal	14843984
CIE Lab	63.50, 33.69, 42.06
CIE LCh	63, 53.889, 51.302
Yxy	32.1863, 0.4803, 0.3814
Android (android.graphics.Color)	4293034064 (0xFFE28050)
YUV	151.8300, -35.4122, 65.0471
Hunter-Lab	56.7330, 28.2453, 27.5159

Details

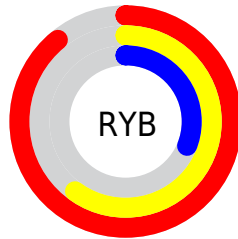
The Yxy color **32.1863, 0.4803, 0.3814** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.0493, 0.2201, 0.2607**, and the grayscale version is **31.4561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3546, 0.4208, 0.3821**, and **13.5190, 0.5303, 0.3846** is the 20% darker color. If you saturate the color by 10%, you get **28.2414, 0.5162, 0.3836**, and if you desaturate by 10%, it is **36.8388, 0.4452, 0.3758**.

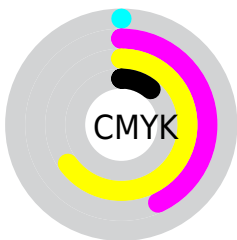
Distribution



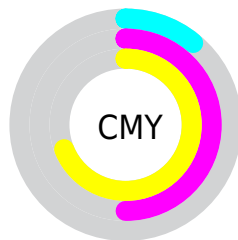
- Red (89%)
- Green (50%)
- Blue (31%)



- Red (89%)
- Yellow (60%)
- Blue (31%)



- Cyan (0%)
- Magenta (43%)
- Yellow (65%)
- Black (11%)





- Cyan (11%)
- Magenta (50%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1863, 0.4803, 0.3814 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 32.1863, 0.4803, 0.3814 by changing the saturation by 10% instead.


 32.1863, 0.4803,
0.3814


 32.1863, 0.4803,
0.3814


311.9670, 0.3926,
0.3608


 21.5038, 0.5021,
0.3837


 63.1030, 0.4482,
0.3758


 13.4928, 0.5294,
0.3846

 84.1061, 0.4361,
0.3731


 7.7687, 0.5637,
0.3820


 109.3181, 0.4260,
0.3706

 3.9473, 0.6203,
0.3797

 139.1236, 0.4173,
0.3683

 1.6441, 0.6580,
0.3420

 173.9068, 0.4099,
0.3662

 0.3871, 0.7622,
0.2378

214.0522, 0.4034,

 0.0000, 1.0000,

0.3642

0.0000

259.9441, 0.3977,
0.3625

■ 0.0000, 0.0000,
0.0000

■ 32.1863, 0.4803,
0.3814

■ 32.1863, 0.4803,
0.3814

■ 28.2414, 0.5162,
0.3836

■ 36.8388, 0.4452,
0.3758

■ 24.9610, 0.5500,
0.3813

■ 42.2285, 0.4129,
0.3681

■ 22.3043, 0.5783,
0.3740

■ 48.3892, 0.3841,
0.3593

■ 21.1036, 0.5912,
0.3688

■ 55.3512, 0.3593,
0.3502

■ 63.1428, 0.3380,
0.3412

■ 71.7910, 0.3200,
0.3327

■ 81.3216, 0.3048,
0.3248

■ 91.3778, 0.2951,
0.3233

■ 94.9090, 0.2952,
0.3289

Harmonies

Analogous

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



32.1863, 0.4594, 0.3207



32.1863, 0.4803, 0.3814



32.1863, 0.4496, 0.4408

Triad

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



32.1863, 0.4803, 0.3814



32.1863, 0.2310, 0.4035



32.1863, 0.2292, 0.2041

Complementary

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



32.1863, 0.4803, 0.3814



39.0493, 0.2201, 0.2607

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.



32.1863, 0.1842, 0.2083



32.1863, 0.4803, 0.3814



32.1863, 0.1837, 0.3109

Square

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



32.1863, 0.4803, 0.3814



32.1863, 0.3043, 0.4742



32.1863, 0.1688, 0.2423



32.1863, 0.3023, 0.2247

Rectangle

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



32.1863, 0.4803, 0.3814



32.1863, 0.4086, 0.4722



32.1863, 0.1688, 0.2423



32.1863, 0.2109, 0.2025

Sweetspot

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



32.1880, 0.4803, 0.3814



78.2374, 0.3472, 0.3452



25.1968, 0.3746, 0.2223



16.1214, 0.3535, 0.3478



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.



32.1880, 0.4803, 0.3814



35.3357, 0.5299, 0.3833



57.7059, 0.4199, 0.4547



14.4326, 0.3284, 0.3368



12.2330, 0.5884, 0.3710



1.0077, 0.5583, 0.3949

Inverse Universe

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



39.0493, 0.2201, 0.2607



44.7306, 0.2066, 0.2431



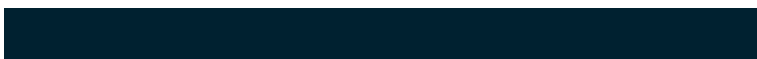
17.6697, 0.1952, 0.1548



14.7734, 0.2982, 0.3211



16.1185, 0.1940, 0.2183



1.2788, 0.1993, 0.2373

Previews

White Background



This preview shows how the Yxy color 32.1863, 0.4803, 0.3814 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 32.1863, 0.4803, 0.3814 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 32.1863, 0.4803, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 32.1863, 0.4803, 0.3814.



This preview shows how white text looks on a background with the Yxy color 32.1863, 0.4803, 0.3814.

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

32.1863, 0.4803, 0.3814

Protanopia

32.2675, 0.3905, 0.4240

Deuteranopia

32.3364, 0.4302, 0.4219



Tritanopia

32.2158, 0.4294, 0.3190

Trichromacy



Original Color

32.1863, 0.4803, 0.3814

Protanomaly

31.8698, 0.4229, 0.4079

Deuteranomaly

31.9885, 0.4493, 0.4066

Tritanomaly

32.0791, 0.4505, 0.3431

Monochromacy



Original Color

32.1863, 0.4803, 0.3814

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.7350, 0.3703, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1863, 0.4803, 0.3814 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(226, 128, 80)` looks like.

```
.text, #text, p{  
    color:rgb(226, 128, 80)  
}
```

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(226, 128, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 128, 80) }
```

Border

The CSS property to change the border of an element to Yxy 32.1863, 0.4803, 0.3814 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(226, 128, 80) }
```

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

```
.border{ border-color:rgb(226, 128, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 128, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 128, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 128, 80);  
box-shadow:4px 4px 4px 4px rgb(226, 128,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1863, 0.4803, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 128, 80) }
```

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

```
.background{ background-color: rgb(226,  
128, 80) }
```

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