

Converting Colors

$Y_{xy}(34.2416, 0.4781, 0.3824)$

Have a look what the booklet for
Yxy(34.2416, 0.4781, 0.3824)
contains.

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Color

Yxy(34.3885, 0.4775, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	E78553
RGB	231, 133, 83
RGB Percent	91%, 52%, 33%
CMY	0.0941, 0.4784, 0.6745
CMYK	0.00, 0.42, 0.64, 0.09
HSL	20°, 76%, 62%
HSV	20°, 64%, 91%
XYZ	42.9070, 34.3885, 12.5621
YIQ	156.6020, 74.4580, 5.2260

Conversions

Conversions Part 2

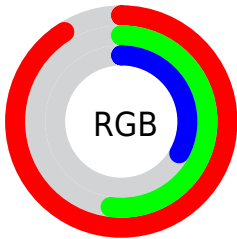
Format	Color
R_{YB}	231, 159, 83
Decimal	15172947
CIE _{Lab}	65.27, 33.26, 42.76
CIE _{LCh}	65, 54.169, 52.122
Yxy	34.3885, 0.4775, 0.3827
Android (android.graphics.Color)	4293363027 (0xFFE78553)
YUV	156.6020, -36.2858, 65.2470
Hunter-Lab	58.6417, 27.9820, 28.3482

Details

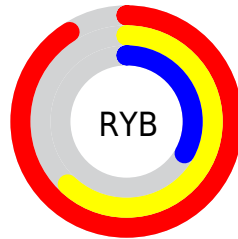
The Yxy color **34.3885, 0.4775, 0.3827** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **40.6676, 0.2201, 0.2593**, and the grayscale version is **33.6710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5219, 0.4156, 0.3841**, and **14.7020, 0.5239, 0.3871** is the 20% darker color. If you saturate the color by 10%, you get **30.2025, 0.5130, 0.3853**, and if you desaturate by 10%, it is **39.3071, 0.4429, 0.3768**.

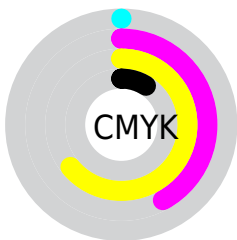
Distribution



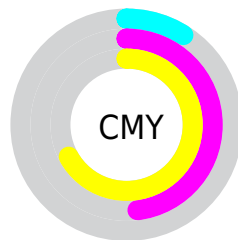
- Red (91%)
- Green (52%)
- Blue (33%)



- Red (91%)
- Yellow (62%)
- Blue (33%)



- Cyan (0%)
- Magenta (42%)
- Yellow (64%)
- Black (9%)





- Cyan (9%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3885, 0.4775, 0.3827 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 34.3885, 0.4775, 0.3827 by changing the saturation by 10% instead.


 34.3885, 0.4775,
0.3827


 34.3885, 0.4775,
0.3827


321.8609, 0.3922,
0.3616

 23.1922, 0.4985,
0.3853


 66.5374, 0.4465,
0.3769


 14.7355, 0.5246,
0.3866


 88.2587, 0.4348,
0.3741

 8.6340, 0.5573,
0.3850


 114.2572, 0.4249,
0.3715

 4.5032, 0.6108,
0.3843

 144.9173, 0.4164,
0.3691

 1.9588, 0.6481,
0.3519

 180.6233, 0.4091,
0.3670

 0.5834, 0.7177,
0.2823

221.7597, 0.4028,

 0.0000, 1.0000,

0.3650

0.0000

268.7107, 0.3972,
0.3632

■ 0.0000, 0.0000,
0.0000

■ 34.3885, 0.4775,
0.3827

■ 34.3885, 0.4775,
0.3827

■ 30.2025, 0.5130,
0.3853

■ 39.3071, 0.4429,
0.3768

■ 26.7050, 0.5466,
0.3833

■ 44.9882, 0.4109,
0.3687


■ 23.8547, 0.5750,
0.3763

■ 51.4664, 0.3826,
0.3596

■ 22.4429, 0.5891,
0.3705

■ 58.7723, 0.3580,
0.3503

■ 66.9351, 0.3370,
0.3411

 75.9821, 0.3192,
0.3324

 85.9396, 0.3041,
0.3243

 95.7308, 0.2982,
0.3290

Harmonies

Analogous

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



34.3885, 0.4582, 0.3226



34.3885, 0.4775, 0.3827



34.3885, 0.4463, 0.4409

Triad

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



34.3885, 0.4775, 0.3827



34.3885, 0.2307, 0.3997



34.3885, 0.2320, 0.2060

Complementary

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



34.3885, 0.4775, 0.3827



40.6676, 0.2201, 0.2593

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.



34.3885, 0.1868, 0.2096



34.3885, 0.4775, 0.3827



34.3885, 0.1848, 0.3092

Square

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



34.3885, 0.4775, 0.3827



34.3885, 0.3025, 0.4703



34.3885, 0.1708, 0.2424



34.3885, 0.3048, 0.2270

Rectangle

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



34.3885, 0.4775, 0.3827



34.3885, 0.4055, 0.4711



34.3885, 0.1708, 0.2424



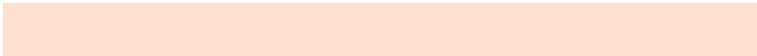
34.3885, 0.2137, 0.2043

Sweetspot

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



34.3903, 0.4775, 0.3827



78.4724, 0.3472, 0.3457



26.5434, 0.3772, 0.2252



16.1776, 0.3533, 0.3483



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.



34.3903, 0.4775, 0.3827



36.2310, 0.5246, 0.3852



61.9243, 0.4175, 0.4562



15.1596, 0.3284, 0.3370



12.7862, 0.5862, 0.3728



1.1117, 0.5579, 0.3952

Inverse Universe

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



40.6676, 0.2201, 0.2593



44.3981, 0.2068, 0.2419



18.2673, 0.1952, 0.1529



15.4734, 0.2981, 0.3209



16.2413, 0.1930, 0.2149



1.3702, 0.1982, 0.2335

Previews

White Background



This preview shows how the Yxy color 34.3885, 0.4775, 0.3827 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 34.3885, 0.4775, 0.3827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

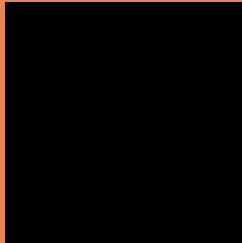
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3885, 0.4775, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 34.3885, 0.4775, 0.3827.



This preview shows how white text looks on a background with the Yxy color 34.3885, 0.4775, 0.3827.

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

34.3885, 0.4775, 0.3827

Protanopia

34.5677, 0.3901, 0.4243

Deuteranopia

34.4335, 0.4305, 0.4206



Tritanopia

34.4487, 0.4259, 0.3192

Trichromacy



Original Color

34.3885, 0.4775, 0.3827

Protanomaly

34.1361, 0.4216, 0.4086

Deuteranomaly

34.0810, 0.4491, 0.4058

Tritanomaly

34.3085, 0.4463, 0.3428

Monochromacy



Original Color

34.3885, 0.4775, 0.3827

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.9819, 0.3696, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3885, 0.4775, 0.3827 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(231, 133, 83)` looks like.

```
.text, #text, p{  
    color:rgb(231, 133, 83)  
}
```

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(231, 133, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 133, 83) }
```

Border

The CSS property to change the border of an element to Yxy 34.3885, 0.4775, 0.3827 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(231, 133, 83) }
```

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

```
.border{ border-color:rgb(231, 133, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 133, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 133, 83); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 133, 83); box-shadow:4px 4px 4px 4px rgb(231, 133, 83) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3885, 0.4775, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 133, 83) }
```

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

```
.background{ background-color: rgb(231,  
133, 83) }
```

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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