

Converting Colors

$Yxy(34.1191, 0.4791, 0.3882)$

Have a look what the booklet for
Yxy(34.1191, 0.4791, 0.3882)
contains.

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Color

Yxy(34.2583, 0.4793, 0.3890)

Conversions

Conversions Part 1

Format	Color
Hex	E5864E
RGB	229, 134, 78
RGB Percent	90%, 53%, 31%
CMY	0.1020, 0.4745, 0.6940
CMYK	0.00, 0.41, 0.66, 0.10
HSL	22°, 74%, 60%
HSV	22°, 66%, 90%
XYZ	42.2108, 34.2583, 11.5985
YIQ	156.0210, 74.5960, 2.7240

Conversions

Conversions Part 2

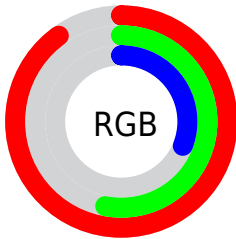
Format	Color
R _Y B	229, 167, 78
Decimal	15042126
CIE Lab	65.17, 31.62, 45.14
CIE LCh	65, 55.107, 54.990
Yxy	34.2583, 0.4793, 0.3890
Android (android.graphics.Color)	4293232206 (0xFFE5864E)
YUV	156.0210, -38.4644, 64.0026
Hunter-Lab	58.5306, 26.3012, 29.2224

Details

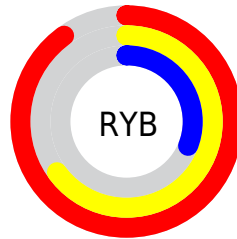
The Yxy color **34.2583, 0.4793, 0.3890** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **37.1605, 0.2163, 0.2494**, and the grayscale version is **33.4077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8114, 0.4190, 0.3900**, and **14.6001, 0.5258, 0.3944** is the 20% darker color. If you saturate the color by 10%, you get **30.2717, 0.5130, 0.3915**, and if you desaturate by 10%, it is **38.9052, 0.4458, 0.3828**.

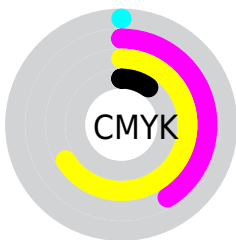
Distribution



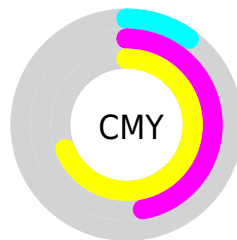
- Red (90%)
- Green (53%)
- Blue (31%)



- Red (90%)
- Yellow (65%)
- Blue (31%)



- Cyan (0%)
- Magenta (41%)
- Yellow (66%)
- Black (10%)





- Cyan (10%)
- Magenta (47%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2583, 0.4793, 0.3890 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 34.2583, 0.4793, 0.3890 by changing the saturation by 10% instead.


 34.2583, 0.4793,
0.3890


 34.2583, 0.4793,
0.3890


321.2823, 0.3935,
0.3650

 23.0921, 0.5001,
0.3920


 66.3351, 0.4482,
0.3823


 14.6615, 0.5258,
0.3939


 88.0146, 0.4365,
0.3791

 8.5822, 0.5577,
0.3925


 113.9672, 0.4265,
0.3762

 4.4697, 0.6085,
0.3915

 144.5775, 0.4180,
0.3735

 1.9396, 0.6418,
0.3582

 180.2297, 0.4106,
0.3711

 0.5720, 0.7114,
0.2886

221.3083, 0.4041,

 0.0000, 1.0000,

0.3689

0.0000

268.1977, 0.3985,
0.3668

■ 0.0000, 0.0000,
0.0000

■ 34.2583, 0.4793,
0.3890

■ 34.2583, 0.4793,
0.3890

■ 30.2717, 0.5130,
0.3915

■ 38.9052, 0.4458,
0.3828

■ 26.9058, 0.5445,
0.3891

■ 44.2384, 0.4146,
0.3743

■ 24.1239, 0.5707,
0.3815


■ 50.2885, 0.3864,
0.3644

■ 23.1423, 0.5801,
0.3776

■ 57.0826, 0.3617,
0.3542

■ 64.6463, 0.3404,
0.3441

 73.0038, 0.3222,
0.3344

 82.1783, 0.3067,
0.3254

 91.7857, 0.2969,
0.3232

 95.3958, 0.2970,
0.3290

Harmonies

Analogous

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



34.2583, 0.4652, 0.3279



34.2583, 0.4793, 0.3890



34.2583, 0.4431, 0.4475

Triad

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



34.2583, 0.4793, 0.3890



34.2583, 0.2234, 0.3922



34.2583, 0.2366, 0.2052

Complementary

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



34.2583, 0.4793, 0.3890



37.1605, 0.2163, 0.2494

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.



34.2583, 0.1880, 0.2062



34.2583, 0.4793, 0.3890



34.2583, 0.1800, 0.3006

Square

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



34.2583, 0.4793, 0.3890



34.2583, 0.2944, 0.4688



34.2583, 0.1690, 0.2362



34.2583, 0.3127, 0.2286

Rectangle

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



34.2583, 0.4793, 0.3890



34.2583, 0.3999, 0.4766



34.2583, 0.1690, 0.2362



34.2583, 0.2171, 0.2026

Sweetspot

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



34.2601, 0.4793, 0.3890



78.3503, 0.3490, 0.3483



25.1488, 0.3867, 0.2281



16.1896, 0.3550, 0.3511



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.



34.2601, 0.4793, 0.3890



37.0309, 0.5246, 0.3913



62.7372, 0.4165, 0.4629



15.2392, 0.3283, 0.3378



13.4449, 0.5773, 0.3798



1.1667, 0.5497, 0.4017

Inverse Universe

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



37.1605, 0.2163, 0.2494



40.7477, 0.2027, 0.2299



16.0397, 0.1904, 0.1410



15.3906, 0.2981, 0.3201



14.8875, 0.1897, 0.2030



1.2765, 0.1954, 0.2235

Previews

White Background



This preview shows how the Yxy color 34.2583, 0.4793, 0.3890 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 34.2583, 0.4793, 0.3890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

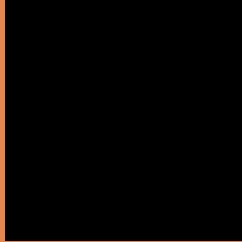
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2583, 0.4793, 0.3890

Background



This preview shows how black text looks on a background with the Yxy color 34.2583, 0.4793, 0.3890.



This preview shows how white text looks on a background with the Yxy color 34.2583, 0.4793, 0.3890.

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

34.2583, 0.4793, 0.3890

Protanopia

34.5821, 0.3962, 0.4315

Deuteranopia

34.3634, 0.4346, 0.4258



Tritanopia

34.2800, 0.4248, 0.3191

Trichromacy



Original Color

34.2583, 0.4793, 0.3890

Protanomaly

34.0393, 0.4269, 0.4155

Deuteranomaly

34.1687, 0.4515, 0.4124

Tritanomaly

34.3589, 0.4470, 0.3463

Monochromacy



Original Color

34.2583, 0.4793, 0.3890

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.8056, 0.3706, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2583, 0.4793, 0.3890 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(229, 134, 78)` looks like.

```
.text, #text, p{  
    color:rgb(229, 134, 78)  
}
```

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(229, 134, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 134, 78) }
```

Border

The CSS property to change the border of an element to Yxy 34.2583, 0.4793, 0.3890 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(229, 134, 78) }
```

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

```
.border{ border-color:rgb(229, 134, 78) }
```

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

Here you see how a box with a 4 pixel rgb(229, 134, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 134, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 134, 78);  
box-shadow:4px 4px 4px 4px rgb(229, 134,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2583, 0.4793, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 134, 78) }
```

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

```
.background{ background-color: rgb(229,  
134, 78) }
```

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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