

Converting Colors

$Yxy(34.6237, 0.4843, 0.3822)$

Have a look what the booklet for
Yxy(34.6237, 0.4843, 0.3822)
contains.

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Color

Yxy(34.7588, 0.4839, 0.3823)

Conversions

Conversions Part 1

Format	Color
Hex	EB8451
RGB	235, 132, 81
RGB Percent	92%, 52%, 32%
CMY	0.0784, 0.4823, 0.6825
CMYK	0.00, 0.44, 0.66, 0.08
HSL	20°, 79%, 62%
HSV	20°, 66%, 92%
XYZ	43.9963, 34.7588, 12.1651
YIQ	156.9830, 77.7590, 5.9750

Conversions

Conversions Part 2

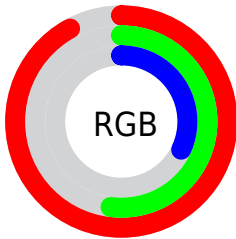
Format	Color
R_{YB}	235, 157, 81
Decimal	15434833
CIE _{Lab}	65.56, 35.23, 44.29
CIE _{LCh}	66, 56.593, 51.506
Yxy	34.7588, 0.4839, 0.3823
Android (android.graphics.Color)	4293624913 (0xFFEB8451)
YUV	156.9830, -37.4596, 68.4209
Hunter-Lab	58.9566, 30.0314, 29.0357

Details

The Yxy color **34.7588, 0.4839, 0.3823** 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 **42.0032, 0.2187, 0.2587**, and the grayscale version is **33.8539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0438, 0.4177, 0.3851**, and **14.9933, 0.5313, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **30.5217, 0.5197, 0.3841**, and if you desaturate by 10%, it is **39.7632, 0.4487, 0.3769**.

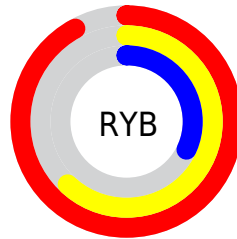
Distribution



Red (92%)

Green (52%)

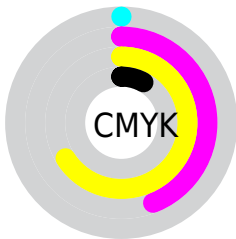
Blue (32%)



Red (92%)

Yellow (62%)

Blue (32%)

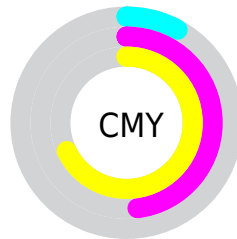


Cyan (0%)

Magenta (44%)

Yellow (66%)

Black (8%)



Cyan (8%)


Magenta (48%)


Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7588, 0.4839, 0.3823 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 34.7588, 0.4839, 0.3823 by changing the saturation by 10% instead.


 34.7588, 0.4839,
0.3823


 34.7588, 0.4839,
0.3823


323.5024, 0.3957,
0.3620


 23.4771, 0.5054,
0.3844


 67.1119, 0.4519,
0.3770

 14.9462, 0.5320,
0.3851


 88.9522, 0.4398,
0.3743

 8.7816, 0.5651,
0.3824


 115.0808, 0.4296,
0.3718

 4.5990, 0.6196,
0.3804

 145.8821, 0.4208,
0.3695

 2.0140, 0.6548,
0.3452

 181.7405, 0.4132,
0.3674

 0.6156, 0.7222,
0.2778

223.0405, 0.4066,

 0.0000, 1.0000,

0.3655

0.0000

270.1663, 0.4008,
0.3637

0.0000, 0.0000,
0.0000

34.7588, 0.4839,
0.3823

34.7588, 0.4839,
0.3823

30.5217, 0.5197,
0.3841

39.7632, 0.4487,
0.3769

27.0047, 0.5529,
0.3813

45.5675, 0.4160,
0.3693

24.1625, 0.5804,
0.3734


52.2090, 0.3869,
0.3605

23.0950, 0.5909,
0.3690

59.7206, 0.3616,
0.3513

68.1335, 0.3400,
0.3422

 77.4773, 0.3216,
0.3336

 87.7801, 0.3061,
0.3255

 96.4023, 0.3005,
0.3290

Harmonies

Analogous

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



34.7588, 0.4632, 0.3206



34.7588, 0.4839, 0.3823



34.7588, 0.4518, 0.4430

Triad

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



34.7588, 0.4839, 0.3823



34.7588, 0.2286, 0.4047



34.7588, 0.2278, 0.2018

Complementary

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



34.7588, 0.4839, 0.3823



42.0032, 0.2187, 0.2587

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.



34.7588, 0.1820, 0.2058



34.7588, 0.4839, 0.3823



34.7588, 0.1809, 0.3096

Square

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



34.7588, 0.4839, 0.3823



34.7588, 0.3032, 0.4778



34.7588, 0.1661, 0.2399



34.7588, 0.3025, 0.2229

Rectangle

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



34.7588, 0.4839, 0.3823



34.7588, 0.4097, 0.4754



34.7588, 0.1661, 0.2399



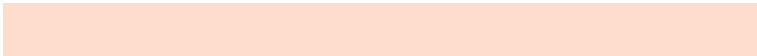
34.7588, 0.2091, 0.2001

Sweetspot

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



34.7606, 0.4839, 0.3823



77.2814, 0.3494, 0.3463



27.0945, 0.3760, 0.2211



15.9358, 0.3555, 0.3488



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.



34.7606, 0.4839, 0.3823



35.0315, 0.5328, 0.3836



62.7644, 0.4215, 0.4561



15.8696, 0.3285, 0.3369



13.0621, 0.5880, 0.3713



1.1964, 0.5611, 0.3927

Inverse Universe

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



42.0032, 0.2187, 0.2587



44.0579, 0.2056, 0.2411



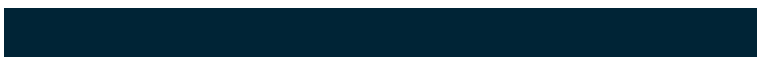
18.7242, 0.1932, 0.1515



16.2318, 0.2981, 0.3210



17.0237, 0.1936, 0.2170



1.5119, 0.1984, 0.2344

Previews

White Background



This preview shows how the Yxy color 34.7588, 0.4839, 0.3823 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 34.7588, 0.4839, 0.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

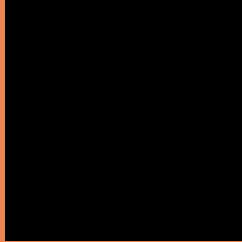
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7588, 0.4839, 0.3823

Background



This preview shows how black text looks on a background with the Yxy color 34.7588, 0.4839, 0.3823.



This preview shows how white text looks on a background with the Yxy color 34.7588, 0.4839, 0.3823.

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

34.7588, 0.4839, 0.3823

Protanopia

34.9938, 0.3922, 0.4277

Deuteranopia

34.8486, 0.4331, 0.4245



Tritanopia

34.8481, 0.4316, 0.3194

Trichromacy



Original Color

34.7588, 0.4839, 0.3823

Protanomaly

34.3711, 0.4255, 0.4102

Deuteranomaly

34.6497, 0.4519, 0.4082

Tritanomaly

34.6807, 0.4532, 0.3436

Monochromacy



Original Color

34.7588, 0.4839, 0.3823

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.0791, 0.3717, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7588, 0.4839, 0.3823 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(235, 132, 81)` looks like.

```
.text, #text, p{  
    color:rgb(235, 132, 81)  
}
```

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(235, 132, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 132, 81) }
```

Border

The CSS property to change the border of an element to Yxy 34.7588, 0.4839, 0.3823 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(235, 132, 81) }
```

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

```
.border{ border-color:rgb(235, 132, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 132, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 132, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 132, 81);  
box-shadow:4px 4px 4px 4px rgb(235, 132,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7588, 0.4839, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 132, 81) }
```

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

```
.background{ background-color: rgb(235,  
132, 81) }
```

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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