

Converting Colors

$Y_{xy}(33.6349, 0.4947, 0.3921)$

Have a look what the booklet for
Yxy(33.6349, 0.4947, 0.3921)
contains.

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Color

Yxy(33.5384, 0.4945, 0.3920)

Conversions

Conversions Part 1

Format	Color
Hex	E88244
RGB	232, 130, 68
RGB Percent	91%, 51%, 27%
CMY	0.0901, 0.4902, 0.7334
CMYK	0.00, 0.44, 0.71, 0.09
HSL	23°, 78%, 59%
HSV	23°, 71%, 91%
XYZ	42.3080, 33.5384, 9.7107
YIQ	153.4300, 80.6940, 2.3420

Conversions

Conversions Part 2

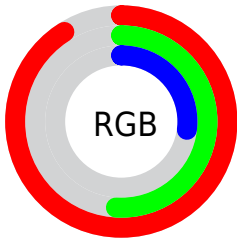
Format	Color
R _Y B	232, 168, 68
Decimal	15237700
CIE Lab	64.59, 34.38, 49.60
CIE LCh	65, 60.348, 55.275
Yxy	33.5384, 0.4945, 0.3920
Android (android.graphics.Color)	4293427780 (0xFFE88244)
YUV	153.4300, -42.1170, 68.9059
Hunter-Lab	57.9123, 29.0570, 30.5969

Details

The Yxy color **33.5384, 0.4945, 0.3920** 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 **35.8076, 0.2106, 0.2407**, and the grayscale version is **32.2138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8729, 0.4293, 0.3956**, and **14.2904, 0.5435, 0.3944** is the 20% darker color. If you saturate the color by 10%, you get **29.7374, 0.5272, 0.3924**, and if you desaturate by 10%, it is **37.9934, 0.4609, 0.3873**.

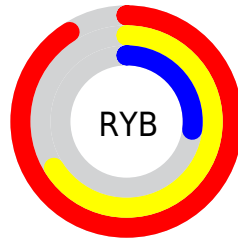
Distribution



Red (91%)

Green (51%)

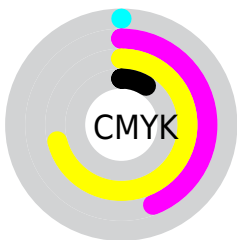
Blue (27%)



Red (91%)

Yellow (66%)

Blue (27%)

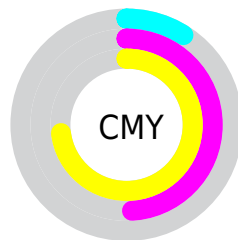


Cyan (0%)

Magenta (44%)

Yellow (71%)

Black (9%)



Cyan (9%)

Magenta (49%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5384, 0.4945, 0.3920 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 33.5384, 0.4945, 0.3920 by changing the saturation by 10% instead.


 33.5384, 0.4945,
0.3920


 33.5384, 0.4945,
0.3920


318.0689, 0.4014,
0.3682

 22.5392, 0.5165,
0.3942


 65.2152, 0.4611,
0.3859


 14.2536, 0.5433,
0.3945


 86.6616, 0.4484,
0.3828

 8.2973, 0.5762,
0.3908


 112.3592, 0.4375,
0.3799

 4.2858, 0.6195,
0.3805

 142.6924, 0.4282,
0.3771

 1.8347, 0.6557,
0.3443

 178.0455, 0.4201,
0.3746

 0.5086, 0.7363,
0.2637

218.8031, 0.4131,

 0.0000, 1.0000,

0.3723

0.0000

265.3494, 0.4069,
0.3702

0.0000, 0.0000,
0.0000

33.5384, 0.4945,
0.3920

33.5384, 0.4945,
0.3920

29.7374, 0.5272,
0.3924

37.9934, 0.4609,
0.3873

26.5486, 0.5561,
0.3876


43.1298, 0.4287,
0.3795


24.0902, 0.5783,
0.3791


48.9796, 0.3992,
0.3700


55.5709, 0.3729,
0.3597

62.9302, 0.3501,
0.3492

 71.0825, 0.3305,
0.3392

 80.0516, 0.3138,
0.3296

 89.8604, 0.2995,
0.3208

 95.8982, 0.2988,
0.3290

Harmonies

Analogous

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



33.5384, 0.4810, 0.3267



33.5384, 0.4945, 0.3920



33.5384, 0.4528, 0.4565

Triad

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



33.5384, 0.4945, 0.3920



33.5384, 0.2138, 0.3979



33.5384, 0.2301, 0.1953

Complementary

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



33.5384, 0.4945, 0.3920



35.8076, 0.2106, 0.2407

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.



33.5384, 0.1780, 0.1956



33.5384, 0.4945, 0.3920



33.5384, 0.1683, 0.2956

Square

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



33.5384, 0.4945, 0.3920



33.5384, 0.2902, 0.4848



33.5384, 0.1575, 0.2265



33.5384, 0.3130, 0.2207

Rectangle

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



33.5384, 0.4945, 0.3920



33.5384, 0.4049, 0.4903



33.5384, 0.1575, 0.2265



33.5384, 0.2091, 0.1924

Sweetspot

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



33.5402, 0.4945, 0.3920



77.5784, 0.3510, 0.3497



24.2649, 0.3945, 0.2238



16.0449, 0.3570, 0.3525



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.



33.5402, 0.4945, 0.3920



34.8803, 0.5415, 0.3908



63.7399, 0.4225, 0.4690



15.2564, 0.3283, 0.3379



13.5959, 0.5753, 0.3814



1.1791, 0.5480, 0.4031

Inverse Universe

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



35.8076, 0.2106, 0.2407



37.5469, 0.1972, 0.2190



14.3444, 0.1823, 0.1270



15.3729, 0.2981, 0.3199



14.6077, 0.1890, 0.2005



1.2570, 0.1948, 0.2213

Previews

White Background



This preview shows how the Yxy color 33.5384, 0.4945, 0.3920 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 33.5384, 0.4945, 0.3920 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 33.5384, 0.4945, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 33.5384, 0.4945, 0.3920.



This preview shows how white text looks on a background with the Yxy color 33.5384, 0.4945, 0.3920.

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

33.5384, 0.4945, 0.3920

Protanopia

33.6344, 0.4047, 0.4416

Deuteranopia

33.4559, 0.4437, 0.4347



Tritanopia

33.6647, 0.4348, 0.3194

Trichromacy



Original Color

33.5384, 0.4945, 0.3920

Protanomaly

32.9506, 0.4380, 0.4227

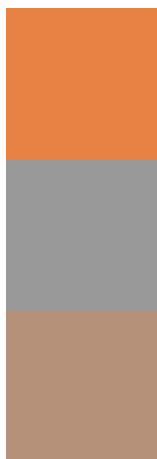
Deuteranomaly

33.1376, 0.4624, 0.4182

Tritanomaly

33.6880, 0.4595, 0.3480

Monochromacy



Original Color

33.5384, 0.4945, 0.3920

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.6010, 0.3772, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5384, 0.4945, 0.3920 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(232, 130, 68)` looks like.

```
.text, #text, p{  
    color:rgb(232, 130, 68)  
}
```

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(232, 130, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 130, 68) }
```

Border

The CSS property to change the border of an element to Yxy 33.5384, 0.4945, 0.3920 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(232, 130, 68) }
```

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

```
.border{ border-color:rgb(232, 130, 68) }
```

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

Here you see how a box with a 4 pixel rgb(232, 130, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 130, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 130, 68);  
box-shadow:4px 4px 4px 4px rgb(232, 130,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5384, 0.4945, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 130, 68) }
```

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

```
.background{ background-color: rgb(232,  
130, 68) }
```

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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