

Converting Colors

$Y_{xy}(33.8236, 0.4873, 0.3922)$

Have a look what the booklet for
Yxy(33.8236, 0.4873, 0.3922)
contains.

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Color

Yxy(33.7934, 0.4874, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	E68448
RGB	230, 132, 72
RGB Percent	90%, 52%, 28%
CMY	0.0981, 0.4823, 0.7178
CMYK	0.00, 0.43, 0.69, 0.10
HSL	23°, 76%, 59%
HSV	23°, 69%, 90%
XYZ	42.0498, 33.7934, 10.4305
YIQ	154.4620, 77.6680, 2.1160

Conversions

Conversions Part 2

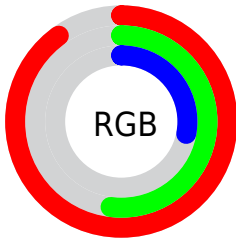
Format	Color
R _Y B	230, 169, 72
Decimal	15107144
CIE Lab	64.80, 32.72, 47.80
CIE LCh	65, 57.922, 55.605
Yxy	33.7934, 0.4874, 0.3917
Android (android.graphics.Color)	4293297224 (0xFFE68448)
YUV	154.4620, -40.6538, 66.2468
Hunter-Lab	58.1321, 27.3866, 30.0542

Details

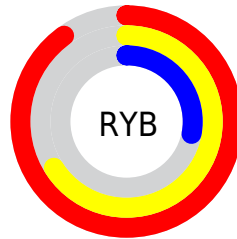
The Yxy color **33.7934, 0.4874, 0.3917** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **35.8118, 0.2127, 0.2432**, and the grayscale version is **32.6855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8079, 0.4249, 0.3938**, and **14.3778, 0.5353, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **29.9422, 0.5203, 0.3931**, and if you desaturate by 10%, it is **38.2889, 0.4541, 0.3862**.

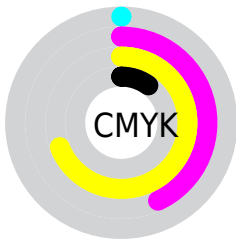
Distribution



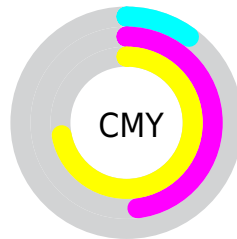
- Red (90%)
- Green (52%)
- Blue (28%)



- Red (90%)
- Yellow (66%)
- Blue (28%)



- Cyan (0%)
- Magenta (43%)
- Yellow (69%)
- Black (10%)





- Cyan (10%)
- Magenta (48%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7934, 0.4874, 0.3917 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 33.7934, 0.4874, 0.3917 by changing the saturation by 10% instead.


 33.7934, 0.4874,
0.3917


 33.7934, 0.4874,
0.3917


319.2098, 0.3977,
0.3672


 22.7349, 0.5089,
0.3944


 65.6123, 0.4551,
0.3851


 14.3979, 0.5351,
0.3956


 87.1414, 0.4428,
0.3819

 8.3979, 0.5672,
0.3929


 112.9296, 0.4324,
0.3789

 4.3506, 0.6133,
0.3867

 143.3613, 0.4234,
0.3761

 1.8716, 0.6480,
0.3520

 178.8207, 0.4157,
0.3736

 0.5312, 0.7240,
0.2760

219.6923, 0.4089,

 0.0000, 1.0000,

0.3713

0.0000

266.3606, 0.4030,
0.3692

■ 0.0000, 0.0000,
0.0000

■ 33.7934, 0.4874,
0.3917

■ 33.7934, 0.4874,
0.3917

■ 29.9422, 0.5203,
0.3931

■ 38.2889, 0.4541,
0.3862

■ 26.6955, 0.5502,
0.3894

■ 43.4546, 0.4224,
0.3780


■ 24.0123, 0.5747,
0.3808


■ 49.3213, 0.3935,
0.3682

■ 23.7026, 0.5776,
0.3796


■ 55.9160, 0.3681,
0.3577

■ 63.2640, 0.3460,
0.3473

 71.3895, 0.3270,
0.3373

 80.3154, 0.3108,
0.3278

 90.0024, 0.2975,
0.3200

 95.5606, 0.2976,
0.3290

Harmonies

Analogous

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



33.7934, 0.4745, 0.3282



33.7934, 0.4874, 0.3917



33.7934, 0.4476, 0.4534

Triad

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



33.7934, 0.4874, 0.3917



33.7934, 0.2172, 0.3937



33.7934, 0.2341, 0.2000

Complementary

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



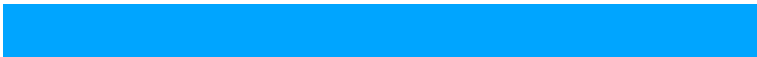
33.7934, 0.4874, 0.3917



35.8118, 0.2127, 0.2432

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.



33.7934, 0.1830, 0.2001



33.7934, 0.4874, 0.3917



33.7934, 0.1732, 0.2966

Square

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



33.7934, 0.4874, 0.3917



33.7934, 0.2909, 0.4766



33.7934, 0.1627, 0.2302



33.7934, 0.3143, 0.2248

Rectangle

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



33.7934, 0.4874, 0.3917



33.7934, 0.4016, 0.4847



33.7934, 0.1627, 0.2302



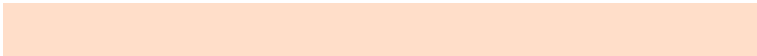
33.7934, 0.2136, 0.1971

Sweetspot

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



33.7952, 0.4874, 0.3917



77.6353, 0.3510, 0.3498



24.4306, 0.3912, 0.2255



16.0583, 0.3570, 0.3527



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.



33.7952, 0.4874, 0.3917



36.2167, 0.5321, 0.3924



62.8476, 0.4200, 0.4666



15.2612, 0.3283, 0.3380



13.6388, 0.5748, 0.3818



1.1826, 0.5475, 0.4035

Inverse Universe

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



35.8118, 0.2127, 0.2432



38.6665, 0.1994, 0.2228



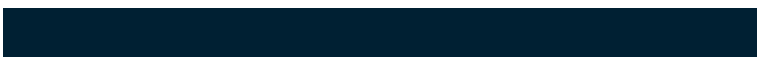
14.9228, 0.1856, 0.1327



15.3679, 0.2981, 0.3199



14.5299, 0.1888, 0.1998



1.2516, 0.1947, 0.2207

Previews

White Background



This preview shows how the Yxy color 33.7934, 0.4874, 0.3917 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 33.7934, 0.4874, 0.3917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

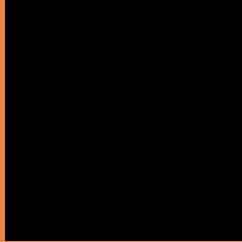
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7934, 0.4874, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 33.7934, 0.4874, 0.3917.



This preview shows how white text looks on a background with the Yxy color 33.7934, 0.4874, 0.3917.

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

33.7934, 0.4874, 0.3917

Protanopia

34.0316, 0.4008, 0.4381

Deuteranopia

33.9658, 0.4401, 0.4306



Tritanopia

33.8809, 0.4293, 0.3192

Trichromacy



Original Color

33.7934, 0.4874, 0.3917

Protanomaly

33.5000, 0.4318, 0.4213

Deuteranomaly

33.4845, 0.4583, 0.4157

Tritanomaly

33.9097, 0.4539, 0.3483

Monochromacy



Original Color

33.7934, 0.4874, 0.3917

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.9581, 0.3746, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7934, 0.4874, 0.3917 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(230, 132, 72)` looks like.

```
.text, #text, p{  
    color:rgb(230, 132, 72)  
}
```

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(230, 132, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 132, 72) }
```

Border

The CSS property to change the border of an element to Yxy 33.7934, 0.4874, 0.3917 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(230, 132, 72) }
```

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

```
.border{ border-color:rgb(230, 132, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 132, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 132, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 132, 72);  
box-shadow:4px 4px 4px 4px rgb(230, 132,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7934, 0.4874, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 132, 72) }
```

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

```
.background{ background-color: rgb(230,  
132, 72) }
```

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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