

Converting Colors

$Y_{xy}(34.8804, 0.5033, 0.3758)$

Have a look what the booklet for
Yxy(34.8804, 0.5033, 0.3758)
contains.

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Color

Yxy(34.7959, 0.5033, 0.3751)

Conversions

Conversions Part 1

Format	Color
Hex	F67D4D
RGB	246, 125, 77
RGB Percent	96%, 49%, 30%
CMY	0.0352, 0.5099, 0.6980
CMYK	0.00, 0.49, 0.69, 0.04
HSL	17°, 90%, 63%
HSV	17°, 69%, 96%
XYZ	46.6883, 34.7959, 11.2801
YIQ	155.7070, 87.5240, 10.7240

Conversions

Conversions Part 2

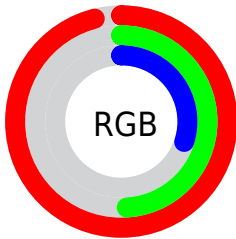
Format	Color
RYB	246, 144, 77
Decimal	16153933
CIELab	65.59, 42.83, 46.74
CIELCh	66, 63.397, 47.497
Yxy	34.7959, 0.5033, 0.3751
Android (android.graphics.Color)	4294344013 (0xFFFF67D4D)
YUV	155.7070, -38.8026, 79.1870
Hunter-Lab	58.9880, 38.0514, 29.9538

Details

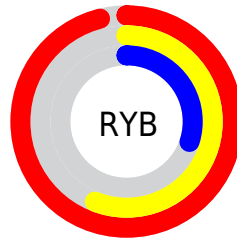
The Yxy color **34.7959, 0.5033, 0.3751** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle washed orange. A complement of this color would be **48.6540, 0.2180, 0.2658**, and the grayscale version is **33.2555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4610, 0.4244, 0.3830**, and **15.0441, 0.5551, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **30.4414, 0.5409, 0.3747**, and if you desaturate by 10%, it is **40.0769, 0.4653, 0.3718**.

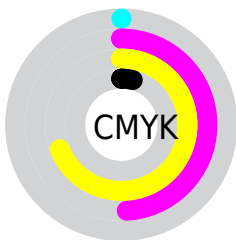
Distribution



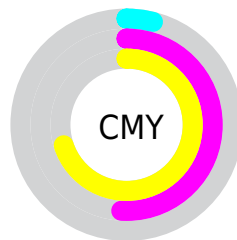
- Red (96%)
- Green (49%)
- Blue (30%)



- Red (96%)
- Yellow (56%)
- Blue (30%)



- Cyan (0%)
- Magenta (49%)
- Yellow (69%)
- Black (4%)





- Cyan (4%)
- Magenta (51%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7959, 0.5033, 0.3751 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 34.7959, 0.5033, 0.3751 by changing the saturation by 10% instead.

 34.7959, 0.5033,
0.3751


 34.7959, 0.5033,
0.3751


323.6665, 0.4055,
0.3603

 23.5057, 0.5268,
0.3752


 67.1695, 0.4681,
0.3722


 14.9674, 0.5555,
0.3732


 89.0216, 0.4547,
0.3704

 8.7965, 0.5909,
0.3665


 115.1632, 0.4433,
0.3685

 4.6087, 0.6438,
0.3562

 145.9786, 0.4335,
0.3666

 2.0195, 0.6835,
0.3165

 181.8523, 0.4251,
0.3649

 0.6188, 0.7551,
0.2449

223.1685, 0.4177,

 0.0000, 1.0000,

0.3633

0.0000

270.3118, 0.4112,
0.3617

■ 0.0000, 0.0000,
0.0000

■ 34.7959, 0.5033,
0.3751

■ 34.7959, 0.5033,
0.3751

■ 30.4414, 0.5409,
0.3747

■ 40.0769, 0.4653,
0.3718

■ 26.9503, 0.5743,
0.3697

■ 46.3308, 0.4297,
0.3659


■ 24.2559, 0.6000,
0.3606

■ 53.6074, 0.3978,
0.3586


■ 23.9565, 0.6030,
0.3594

■ 61.9511, 0.3703,
0.3507

■ 71.4038, 0.3469,
0.3428

 82.0050, 0.3272,
0.3352

 93.7922, 0.3107,
0.3281

 98.3386, 0.3072,
0.3290

Harmonies

Analogous

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



34.7959, 0.4731, 0.3093



34.7959, 0.5033, 0.3751



34.7959, 0.4723, 0.4430

Triad

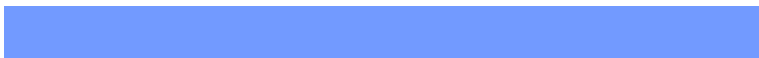
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.7959, 0.5033, 0.3751



34.7959, 0.2280, 0.4288



34.7959, 0.2102, 0.1888

Complementary

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



34.7959, 0.5033, 0.3751



48.6540, 0.2180, 0.2658

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.



34.7959, 0.1656, 0.1963



34.7959, 0.5033, 0.3751



34.7959, 0.1722, 0.3191

Square

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



34.7959, 0.5033, 0.3751



34.7959, 0.3120, 0.5035



34.7959, 0.1526, 0.2371



34.7959, 0.2880, 0.2084

Rectangle

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



34.7959, 0.5033, 0.3751



34.7959, 0.4277, 0.4833



34.7959, 0.1526, 0.2371



34.7959, 0.1917, 0.1881

Sweetspot

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



34.7978, 0.5033, 0.3751



74.9421, 0.3520, 0.3446



28.9931, 0.3733, 0.2127



15.4243, 0.3584, 0.3468



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.



34.7978, 0.5033, 0.3751



31.6085, 0.5531, 0.3735



65.9385, 0.4304, 0.4558



17.2482, 0.3287, 0.3358



12.9883, 0.6001, 0.3617



1.3091, 0.5757, 0.3811

Inverse Universe

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



48.6540, 0.2180, 0.2658



47.1253, 0.2070, 0.2512



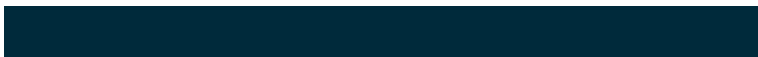
20.1878, 0.1893, 0.1489



17.9165, 0.2980, 0.3221



20.4152, 0.1983, 0.2339



1.9685, 0.2020, 0.2472

Previews

White Background



This preview shows how the Yxy color 34.7959, 0.5033, 0.3751 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 34.7959, 0.5033, 0.3751 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 34.7959, 0.5033, 0.3751

Background



This preview shows how black text looks on a background with the Yxy color 34.7959, 0.5033, 0.3751.



This preview shows how white text looks on a background with the Yxy color 34.7959, 0.5033, 0.3751.

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

34.7959, 0.5033, 0.3751

Protanopia

35.0930, 0.3941, 0.4285

Deuteranopia

34.9172, 0.4380, 0.4290



Tritanopia

34.8657, 0.4559, 0.3212

Trichromacy



Original Color

34.7959, 0.5033, 0.3751

Protanomaly

33.9408, 0.4339, 0.4073

Deuteranomaly

34.2741, 0.4629, 0.4078

Tritanomaly

34.7353, 0.4752, 0.3416

Monochromacy



Original Color

34.7959, 0.5033, 0.3751

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.6019, 0.3795, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7959, 0.5033, 0.3751 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(246, 125, 77)` looks like.

```
.text, #text, p{  
    color:rgb(246, 125, 77)  
}
```

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(246, 125, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 125, 77) }
```

Border

The CSS property to change the border of an element to Yxy 34.7959, 0.5033, 0.3751 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(246, 125, 77) }
```

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

```
.border{ border-color:rgb(246, 125, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 125, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 125, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 125, 77);  
box-shadow:4px 4px 4px 4px rgb(246, 125,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7959, 0.5033, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 125, 77) }
```

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

```
.background{ background-color: rgb(246,  
125, 77) }
```

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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