

Converting Colors

$Y_{xy}(39.0923, 0.4983, 0.3441)$

Have a look what the booklet for
Yxy(39.0923, 0.4983, 0.3441)
contains.

Yxy(35.9547, 0.4858, 0.3450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.9547, 0.4858, 0.3450)

Conversions

Conversions Part 1

Format	Color
Hex	FF7969
RGB	255, 121, 105
RGB Percent	100%, 47%, 41%
CMY	0.0000, 0.5255, 0.5883
CMYK	0.00, 0.53, 0.59, 0.00
HSL	6°, 100%, 71%
HSV	6°, 59%, 100%
XYZ	50.6284, 35.9547, 17.6334
YIQ	159.2420, 85.0000, 23.4320

Conversions

Conversions Part 2

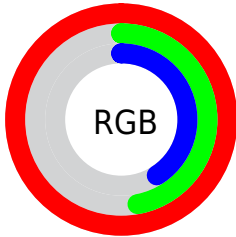
Format	Color
R _Y B	255, 123, 105
Decimal	16742761
CIE Lab	66.49, 49.77, 33.20
CIE LCh	66, 59.828, 33.706
Yxy	35.9547, 0.4858, 0.3450
Android (android.graphics.Color)	4294932841 (0xFFFF7969)
YUV	159.2420, -26.7413, 83.9798
Hunter-Lab	59.9622, 45.7804, 24.5378

Details

The Yxy color **35.9547, 0.4858, 0.3450** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **71.9477, 0.2356, 0.3097**, and the grayscale version is **34.8832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7110, 0.4019, 0.3503**, and **15.6472, 0.5381, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **30.6096, 0.5312, 0.3455**, and if you desaturate by 10%, it is **42.7656, 0.4432, 0.3431**.

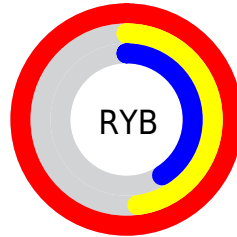
Distribution



Red (100%)

Green (47%)

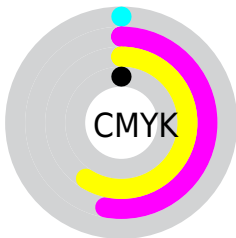
Blue (41%)



Red (100%)

Yellow (48%)

Blue (41%)

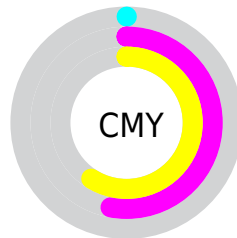


Cyan (0%)

Magenta (53%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9547, 0.4858, 0.3450 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 35.9547, 0.4858, 0.3450 by changing the saturation by 10% instead.


 35.9547, 0.4858,
0.3450


 35.9547, 0.4858,
0.3450


328.7625, 0.3957,
0.3427

 24.3992, 0.5085,
0.3434


 68.9621, 0.4527,
0.3457

 15.6300, 0.5374,
0.3400


 91.1829, 0.4403,
0.3455

 9.2627, 0.5749,
0.3331


 117.7275, 0.4299,
0.3452

 4.9129, 0.6241,
0.3192

 148.9804, 0.4210,
0.3447

 2.1963, 0.7030,
0.2970

185.3259, 0.4133,
0.3442

 0.7180, 0.7697,
0.2303

227.1485, 0.4067,

 0.0000, 1.0000,

0.3437


0.0000

274.8326, 0.4008,
0.3432


 0.0000, 0.0000,
0.0000


 35.9547, 0.4858,
0.3450


 35.9547, 0.4858,
0.3450


 30.6096, 0.5312,
0.3455


 42.7656, 0.4432,
0.3431


 26.6195, 0.5746,
0.3441


 51.1366, 0.4059,
0.3404


 23.8625, 0.6097,
0.3406

 61.1573, 0.3746,
0.3374

 22.1897, 0.6313,
0.3358

 72.9096, 0.3488,
0.3343

 22.0541, 0.6332,
0.3354

 86.4701, 0.3279,
0.3314

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



35.9547, 0.4306, 0.2844



35.9547, 0.4858, 0.3450



35.9547, 0.4828, 0.4094

Triad

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



35.9547, 0.4858, 0.3450



35.9547, 0.2684, 0.4612



35.9547, 0.1926, 0.1961

Complementary

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



35.9547, 0.4858, 0.3450



71.9477, 0.2356, 0.3097

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.



35.9547, 0.1639, 0.2175



35.9547, 0.4858, 0.3450



35.9547, 0.2007, 0.3666

Square

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



35.9547, 0.4858, 0.3450



35.9547, 0.3528, 0.4982



35.9547, 0.1657, 0.2741



35.9547, 0.2525, 0.2032

Rectangle

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



35.9547, 0.4858, 0.3450



35.9547, 0.4526, 0.4507



35.9547, 0.1657, 0.2741



35.9547, 0.1796, 0.1998

Sweetspot

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



35.9556, 0.4858, 0.3450



73.9615, 0.3469, 0.3341



37.6525, 0.3332, 0.2023



15.0503, 0.3538, 0.3350



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.



35.9556, 0.4858, 0.3450



29.6312, 0.5410, 0.3454



61.3083, 0.4322, 0.4186



18.2990, 0.3292, 0.3316



11.6239, 0.6316, 0.3367



1.2294, 0.6163, 0.3488

Inverse Universe

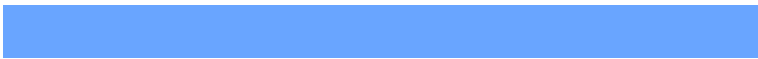
The Inverse Universe completely reimagines the original color for something new.



71.9477, 0.2356, 0.3097



68.4764, 0.2263, 0.3052



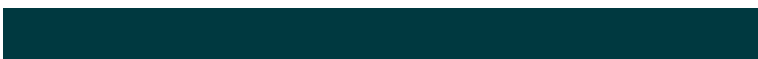
37.1310, 0.2142, 0.2131



20.1306, 0.2980, 0.3264



32.8357, 0.2153, 0.2950



3.2881, 0.2165, 0.2992

Previews

White Background



This preview shows how the Yxy color 35.9547, 0.4858, 0.3450 looks on a white background.

Color Contrast Check

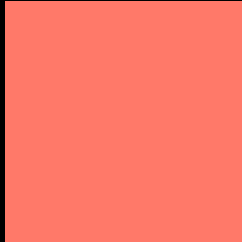
Large Text (above 18pt) WCAG AA × Fail

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 35.9547, 0.4858, 0.3450 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 35.9547, 0.4858, 0.3450

Background



This preview shows how black text looks on a background with the Yxy color 35.9547, 0.4858, 0.3450.



This preview shows how white text looks on a background with the Yxy color 35.9547, 0.4858, 0.3450.

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

35.9547, 0.4858, 0.3450

Protanopia

36.2445, 0.3615, 0.3866

Deuteranopia

36.0793, 0.4098, 0.4024



Tritanopia

35.9860, 0.4615, 0.3214

Trichromacy



Original Color

35.9547, 0.4858, 0.3450

Protanomaly

34.8249, 0.4054, 0.3694

Deuteranomaly

35.3362, 0.4381, 0.3795

Tritanomaly

36.0249, 0.4705, 0.3305

Monochromacy



Original Color

35.9547, 0.4858, 0.3450

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.5842, 0.3719, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9547, 0.4858, 0.3450 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(255, 121, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 105)  
}
```

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(255, 121, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 105) }
```

Border

The CSS property to change the border of an element to Yxy 35.9547, 0.4858, 0.3450 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(255, 121, 105) }
```

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

```
.border{ border-color:rgb(255, 121, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9547, 0.4858, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 105) }
```

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

```
.background{ background-color: rgb(255,  
121, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor