

Converting Colors

$Y_{xy}(41.2953, 0.5013, 0.3548)$

Have a look what the booklet for
Yxy(41.2953, 0.5013, 0.3548)
contains.

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Color

Yxy(37.5992, 0.4869, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	FF8063
RGB	255, 128, 99
RGB Percent	100%, 50%, 39%
CMY	0.0000, 0.4980, 0.6117
CMYK	0.00, 0.50, 0.61, 0.00
HSL	11°, 100%, 69%
HSV	11°, 61%, 100%
XYZ	51.2085, 37.5992, 16.3649
YIQ	162.6670, 85.0010, 17.9050

Conversions

Conversions Part 2

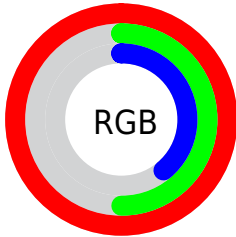
Format	Color
R_{YB}	255, 135, 99
Decimal	16744547
CIE Lab	67.72, 45.97, 38.02
CIE LCh	68, 59.655, 39.588
Yxy	37.5992, 0.4869, 0.3575
Android (android.graphics.Color)	4294934627 (0xFFFF8063)
YUV	162.6670, -31.3878, 80.9760
Hunter-Lab	61.3182, 41.7635, 27.0992

Details

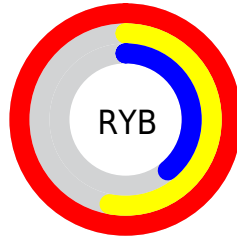
The Yxy color **37.5992, 0.4869, 0.3575** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.2553, 0.2301, 0.2934**, and the grayscale version is **36.5839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3290, 0.4041, 0.3638**, and **16.6086, 0.5373, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **32.3150, 0.5295, 0.3584**, and if you desaturate by 10%, it is **44.1489, 0.4464, 0.3543**.

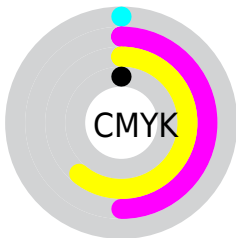
Distribution



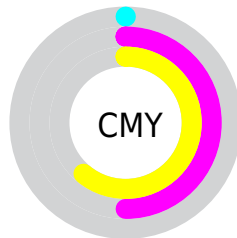
- Red (100%)
- Green (50%)
- Blue (39%)



- Red (100%)
- Yellow (53%)
- Blue (39%)



- Cyan (0%)
- Magenta (50%)
- Yellow (61%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5992, 0.4869, 0.3575 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 37.5992, 0.4869, 0.3575 by changing the saturation by 10% instead.


 37.5992, 0.4869,
0.3575


 37.5992, 0.4869,
0.3575


335.8975, 0.3972,
0.3495


 25.6718, 0.5090,
0.3571


 71.4934, 0.4543,
0.3563


 16.5782, 0.5368,
0.3550


 94.2290, 0.4420,
0.3554

 9.9343, 0.5723,
0.3497


 121.3360, 0.4316,
0.3543

 5.3554, 0.6187,
0.3382

 153.1989, 0.4227,
0.3533

 2.4573, 0.6843,
0.3157

190.2022, 0.4150,
0.3523

 0.8551, 0.7433,
0.2567

232.7301, 0.4083,

 0.0000, 1.0000,

0.3513

0.0000

281.1671, 0.4024,
0.3504

■ 0.0000, 0.0000,
0.0000

■ 37.5992, 0.4869,
0.3575

■ 37.5992, 0.4869,
0.3575

■ 32.3150, 0.5295,
0.3584

■ 44.1489, 0.4464,
0.3543

■ 28.2072, 0.5699,
0.3561

■ 52.0334, 0.4103,
0.3498

■ 25.1843, 0.6028,
0.3504

■ 61.3240, 0.3794,
0.3447

■ 23.3244, 0.6228,
0.3437

■ 72.0853, 0.3535,
0.3394

■ 84.3775, 0.3322,
0.3343

98.2578, 0.3146,
0.3295

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



37.5992, 0.4431, 0.2964



37.5992, 0.4869, 0.3575



37.5992, 0.4735, 0.4211

Triad

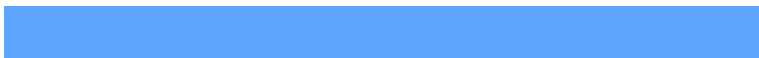
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.5992, 0.4869, 0.3575



37.5992, 0.2542, 0.4432



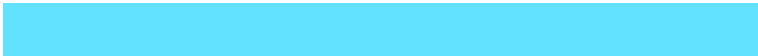
37.5992, 0.2035, 0.1974

Complementary

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



37.5992, 0.4869, 0.3575



64.2553, 0.2301, 0.2934

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.



37.5992, 0.1691, 0.2126



37.5992, 0.4869, 0.3575



37.5992, 0.1931, 0.3464

Square

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



37.5992, 0.4869, 0.3575



37.5992, 0.3361, 0.4938



37.5992, 0.1650, 0.2613



37.5992, 0.2686, 0.2092

Rectangle

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



37.5992, 0.4869, 0.3575



37.5992, 0.4388, 0.4600



37.5992, 0.1650, 0.2613



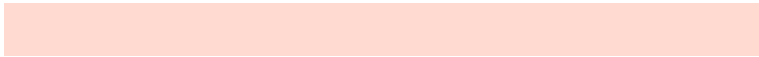
37.5992, 0.1886, 0.1992

Sweetspot

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



37.6012, 0.4869, 0.3575



75.8224, 0.3463, 0.3378



35.6958, 0.3475, 0.2085



15.4953, 0.3529, 0.3393



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.



37.6012, 0.4869, 0.3575



31.4814, 0.5372, 0.3582



66.1066, 0.4287, 0.4330



18.5334, 0.3290, 0.3335



12.3444, 0.6205, 0.3455



1.3411, 0.6004, 0.3614

Inverse Universe

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



64.2553, 0.2301, 0.2934



59.8675, 0.2202, 0.2854



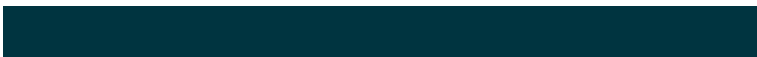
31.1788, 0.2066, 0.1903



19.8732, 0.2980, 0.3245



27.4439, 0.2078, 0.2682



2.8139, 0.2100, 0.2759

Previews

White Background



This preview shows how the Yxy color 37.5992, 0.4869, 0.3575 looks on a white background.

Color Contrast Check

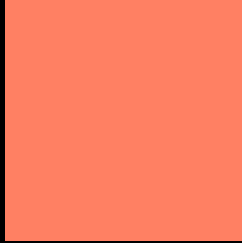
Large Text (above 18pt) WCAG AA × Fail

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 37.5992, 0.4869, 0.3575 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 37.5992, 0.4869, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 37.5992, 0.4869, 0.3575.



This preview shows how white text looks on a background with the Yxy color 37.5992, 0.4869, 0.3575.

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

37.5992, 0.4869, 0.3575

Protanopia

37.6862, 0.3736, 0.4019

Deuteranopia

37.8006, 0.4192, 0.4110



Tritanopia

37.6207, 0.4510, 0.3213

Trichromacy



Original Color

37.5992, 0.4869, 0.3575

Protanomaly

36.8046, 0.4146, 0.3847

Deuteranomaly

37.0658, 0.4448, 0.3896

Tritanomaly

37.5622, 0.4644, 0.3345

Monochromacy



Original Color

37.5992, 0.4869, 0.3575

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.4419, 0.3712, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5992, 0.4869, 0.3575 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, 128, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 99)  
}
```

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, 128, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 99) }
```

Border

The CSS property to change the border of an element to Yxy 37.5992, 0.4869, 0.3575 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, 128, 99) }
```

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

```
.border{ border-color:rgb(255, 128, 99) }
```

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

Here you see how a box with a 4 pixel rgb(255, 128, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
99) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.5992, 0.4869, 0.3575$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 99) }
```

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

```
.background{ background-color: rgb(255,  
128, 99) }
```

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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