

Converting Colors

$Y_{xy}(37.5274, 0.4842, 0.3543)$

Have a look what the booklet for
Yxy(37.5274, 0.4842, 0.3543)
contains.

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Color

Yxy(37.6577, 0.4838, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	FF8066
RGB	255, 128, 102
RGB Percent	100%, 50%, 40%
CMY	0.0001, 0.4979, 0.6000
CMYK	0.00, 0.50, 0.60, 0.00
HSL	10°, 100%, 70%
HSV	10°, 60%, 100%
XYZ	51.3495, 37.6577, 17.1306
YIQ	163.0090, 84.0380, 18.8380

Conversions

Conversions Part 2

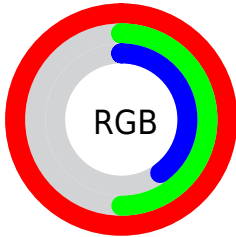
Format	Color
R_{YB}	255, 133, 102
Decimal	16744550
CIE _{Lab}	67.77, 46.16, 36.46
CIE _{LCh}	68, 58.820, 38.302
Yxy	37.6577, 0.4838, 0.3548
Android (android.graphics.Color)	4294934630 (0xFFFF8066)
YUV	163.0090, -30.0774, 80.6761
Hunter-Lab	61.3659, 41.9742, 26.4050

Details

The Yxy color **37.6577, 0.4838, 0.3548** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **66.0456, 0.2319, 0.2973**, and the grayscale version is **36.7485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4269, 0.4015, 0.3607**, and **16.6360, 0.5335, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **32.2719, 0.5269, 0.3558**, and if you desaturate by 10%, it is **44.3538, 0.4431, 0.3518**.

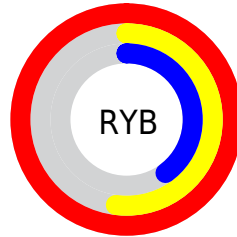
Distribution



Red (100%)

Green (50%)

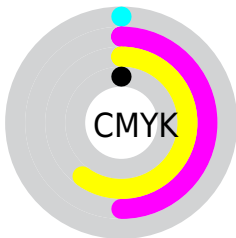
Blue (40%)



Red (100%)

Yellow (52%)

Blue (40%)

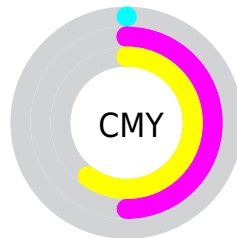


Cyan (0%)

Magenta (50%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6577, 0.4838, 0.3548 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 37.6577, 0.4838, 0.3548 by changing the saturation by 10% instead.


 37.6577, 0.4838,
0.3548

 37.6577, 0.4838,
0.3548


336.1493, 0.3956,
0.3478


 25.7171, 0.5057,
0.3543


 71.5832, 0.4516,
0.3539


 16.6121, 0.5333,
0.3522


 94.3369, 0.4395,
0.3530

 9.9583, 0.5687,
0.3470


 121.4637, 0.4293,
0.3521

 5.3713, 0.6147,
0.3354

 153.3482, 0.4206,
0.3512

 2.4668, 0.6847,
0.3153

190.3745, 0.4130,
0.3503

 0.8599, 0.7437,
0.2563

232.9272, 0.4065,

 0.0000, 1.0000,

0.3494

0.0000

281.3907, 0.4007,
0.3486

0.0000, 0.0000,
0.0000

37.6577, 0.4838,
0.3548

37.6577, 0.4838,
0.3548

32.2719, 0.5269,
0.3558

44.3538, 0.4431,
0.3518

28.1035, 0.5683,
0.3539

52.4329, 0.4071,
0.3475

25.0568, 0.6024,
0.3488

61.9695, 0.3765,
0.3428

23.0114, 0.6253,
0.3417

73.0310, 0.3510,
0.3380

23.0111, 0.6253,
0.3417

85.6805, 0.3300,
0.3333

99.9774, 0.3127,
0.3290

99.9946, 0.3127,
0.3290

Harmonies

Analogous

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



37.6577, 0.4382, 0.2945



37.6577, 0.4838, 0.3548



37.6577, 0.4731, 0.4177

Triad

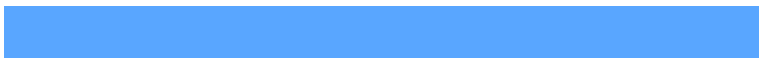
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.6577, 0.4838, 0.3548



37.6577, 0.2584, 0.4448



37.6577, 0.2028, 0.1990

Complementary

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



37.6577, 0.4838, 0.3548



66.0456, 0.2319, 0.2973

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.



37.6577, 0.1700, 0.2155



37.6577, 0.4838, 0.3548



37.6577, 0.1966, 0.3505

Square

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



37.6577, 0.4838, 0.3548



37.6577, 0.3396, 0.4917



37.6577, 0.1673, 0.2653



37.6577, 0.2659, 0.2096

Rectangle

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



37.6577, 0.4838, 0.3548



37.6577, 0.4401, 0.4564



37.6577, 0.1673, 0.2653



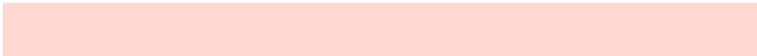
37.6577, 0.1885, 0.2012

Sweetspot

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



37.6597, 0.4838, 0.3548



75.4487, 0.3464, 0.3370



36.4398, 0.3440, 0.2083



15.4058, 0.3531, 0.3384



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.



37.6597, 0.4838, 0.3548



31.3506, 0.5355, 0.3557



65.3894, 0.4280, 0.4292



18.4865, 0.3290, 0.3331



12.1717, 0.6231, 0.3435



1.3175, 0.6037, 0.3589

Inverse Universe

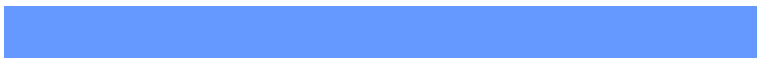
The Inverse Universe completely reimagines the original color for something new.



66.0456, 0.2319, 0.2973



61.7532, 0.2219, 0.2898



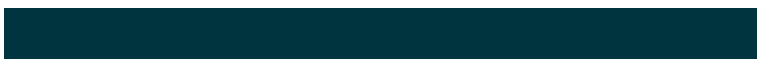
32.8205, 0.2093, 0.1968



19.9242, 0.2980, 0.3249



28.4661, 0.2094, 0.2736



2.9044, 0.2113, 0.2806

Previews

White Background



This preview shows how the Yxy color 37.6577, 0.4838, 0.3548 looks on a white background.

Color Contrast Check

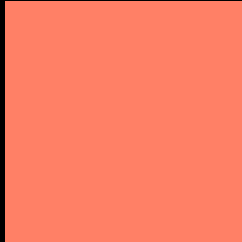
Large Text (above 18pt) WCAG AA × Fail

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 37.6577, 0.4838, 0.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

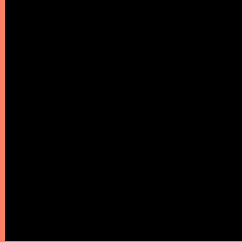
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6577, 0.4838, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 37.6577, 0.4838, 0.3548.



This preview shows how white text looks on a background with the Yxy color 37.6577, 0.4838, 0.3548.

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

37.6577, 0.4838, 0.3548

Protanopia

37.6596, 0.3689, 0.3967

Deuteranopia

37.7158, 0.4156, 0.4079



Tritanopia

37.6207, 0.4510, 0.3213

Trichromacy



Original Color

37.6577, 0.4838, 0.3548

Protanomaly

36.7481, 0.4096, 0.3801

Deuteranomaly

37.1214, 0.4420, 0.3864

Tritanomaly

37.5868, 0.4632, 0.3335

Monochromacy



Original Color

37.6577, 0.4838, 0.3548

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.4715, 0.3701, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6577, 0.4838, 0.3548 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 102) }
```

Border

The CSS property to change the border of an element to Yxy 37.6577, 0.4838, 0.3548 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, 102) }
```

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

```
.border{ border-color:rgb(255, 128, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6577, 0.4838, 0.3548 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
128, 102) }
```

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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