

Converting Colors

$Y_{xy}(42.3627, 0.5211, 0.3704)$

Have a look what the booklet for
Yxy(42.3627, 0.5211, 0.3704)
contains.

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Color

Yxy(37.7898, 0.5041, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	FF824F
RGB	255, 130, 79
RGB Percent	100%, 51%, 31%
CMY	0.0000, 0.4902, 0.6902
CMYK	0.00, 0.49, 0.69, 0.00
HSL	17°, 100%, 65%
HSV	17°, 69%, 100%
XYZ	50.6375, 37.7898, 12.0240
YIQ	161.5610, 90.8710, 10.6390

Conversions

Conversions Part 2

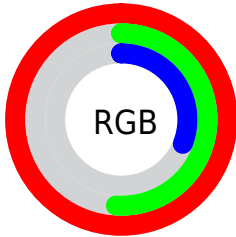
Format	Color
RYB	255, 151, 79
Decimal	16745039
CIELab	67.87, 43.85, 48.64
CIELCh	68, 65.487, 47.968
Yxy	37.7898, 0.5041, 0.3762
Android (android.graphics.Color)	4294935119 (0xFFFF824F)
YUV	161.5610, -40.7026, 81.9460
Hunter-Lab	61.4734, 39.4574, 31.4344

Details

The Yxy color **37.7898, 0.5041, 0.3762** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **52.0738, 0.2172, 0.2639**, and the grayscale version is **36.0768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5696, 0.4199, 0.3861**, and **16.6080, 0.5550, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **33.0852, 0.5414, 0.3757**, and if you desaturate by 10%, it is **43.4845, 0.4662, 0.3729**.

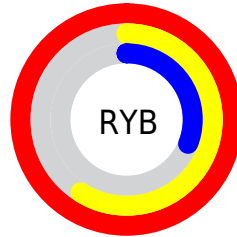
Distribution



Red (100%)

Green (51%)

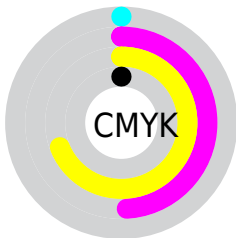
Blue (31%)



Red (100%)

Yellow (59%)

Blue (31%)

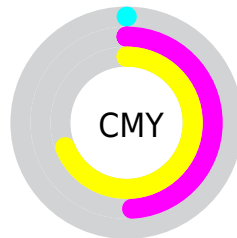


Cyan (0%)

Magenta (49%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7898, 0.5041, 0.3762 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 37.7898, 0.5041, 0.3762 by changing the saturation by 10% instead.


 37.7898, 0.5041,
0.3762


 37.7898, 0.5041,
0.3762


336.7174, 0.4073,
0.3614


 25.8196, 0.5268,
0.3764


 71.7858, 0.4696,
0.3733


 16.6887, 0.5546,
0.3745


 94.5805, 0.4564,
0.3715

 10.0128, 0.5883,
0.3684


 121.7520, 0.4451,
0.3696

 5.4074, 0.6399,
0.3601

 153.6849, 0.4354,
0.3677

 2.4883, 0.6764,
0.3236

 190.7634, 0.4270,
0.3660

 0.8707, 0.7339,
0.2661

233.3721, 0.4196,

 0.0000, 1.0000,

0.3643

0.0000

281.8953, 0.4131,
0.3628

■ 0.0000, 0.0000,
0.0000

■ 37.7898, 0.5041,
0.3762

■ 37.7898, 0.5041,
0.3762

■ 33.0852, 0.5414,
0.3757

■ 43.4845, 0.4662,
0.3729

■ 29.3093, 0.5743,
0.3705

■ 50.2255, 0.4306,
0.3669

■ 26.3881, 0.5997,
0.3612

■ 58.0640, 0.3988,
0.3595

■ 26.1416, 0.6019,
0.3602

■ 67.0477, 0.3711,
0.3514

■ 77.2213, 0.3476,
0.3433

 88.6272, 0.3278,
0.3356

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.



37.7898, 0.4749, 0.3101



37.7898, 0.5041, 0.3762



37.7898, 0.4720, 0.4444

Triad

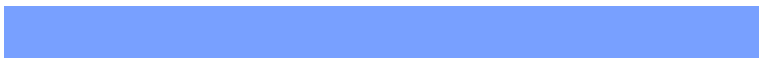
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.7898, 0.5041, 0.3762



37.7898, 0.2265, 0.4277



37.7898, 0.2108, 0.1884

Complementary

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



37.7898, 0.5041, 0.3762



52.0738, 0.2172, 0.2639

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.



37.7898, 0.1655, 0.1954



37.7898, 0.5041, 0.3762



37.7898, 0.1710, 0.3174

Square

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



37.7898, 0.5041, 0.3762



37.7898, 0.3105, 0.5039



37.7898, 0.1520, 0.2356



37.7898, 0.2893, 0.2084

Rectangle

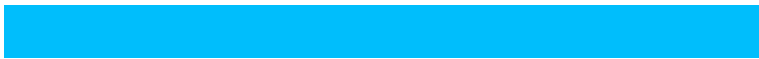
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.7898, 0.5041, 0.3762



37.7898, 0.4268, 0.4847



37.7898, 0.1520, 0.2356



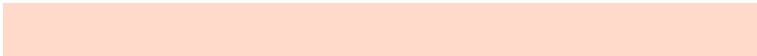
37.7898, 0.1920, 0.1875

Sweetspot

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



37.7896, 0.5041, 0.3762



75.1058, 0.3520, 0.3449



31.2678, 0.3738, 0.2122



15.4628, 0.3583, 0.3472



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.



37.7896, 0.5041, 0.3762



31.4731, 0.5553, 0.3742



71.3828, 0.4310, 0.4563



18.8443, 0.3287, 0.3360



13.8803, 0.5990, 0.3625



1.5296, 0.5770, 0.3801

Inverse Universe

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



52.0738, 0.2172, 0.2639



46.1823, 0.2059, 0.2483



21.6382, 0.1886, 0.1476



19.5400, 0.2980, 0.3220



21.3359, 0.1977, 0.2316



2.2655, 0.2011, 0.2440

Previews

White Background



This preview shows how the Yxy color 37.7898, 0.5041, 0.3762 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 37.7898, 0.5041, 0.3762 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 37.7898, 0.5041, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 37.7898, 0.5041, 0.3762.



This preview shows how white text looks on a background with the Yxy color 37.7898, 0.5041, 0.3762.

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

37.7898, 0.5041, 0.3762

Protanopia

37.9729, 0.3948, 0.4306

Deuteranopia

37.9139, 0.4382, 0.4303



Tritanopia

37.9029, 0.4492, 0.3213

Trichromacy



Original Color

37.7898, 0.5041, 0.3762

Protanomaly

37.0259, 0.4353, 0.4090

Deuteranomaly

37.3758, 0.4632, 0.4093

Tritanomaly

37.6536, 0.4716, 0.3424

Monochromacy



Original Color

37.7898, 0.5041, 0.3762

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.2144, 0.3796, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7898, 0.5041, 0.3762 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, 130, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 79)  
}
```

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, 130, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 79) }
```

Border

The CSS property to change the border of an element to Yxy 37.7898, 0.5041, 0.3762 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, 130, 79) }
```

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

```
.border{ border-color:rgb(255, 130, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7898, 0.5041, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 79) }
```

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

```
.background{ background-color: rgb(255,  
130, 79) }
```

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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