

Converting Colors

$Y_{xy}(38.0109, 0.5091, 0.3829)$

Have a look what the booklet for
Yxy(38.0109, 0.5091, 0.3829)
contains.

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Color

Yxy(37.9605, 0.5089, 0.3824)

Conversions

Conversions Part 1

Format	Color
Hex	FF8348
RGB	255, 131, 72
RGB Percent	100%, 51%, 28%
CMY	0.0001, 0.4862, 0.7178
CMYK	0.00, 0.49, 0.72, 0.00
HSL	19°, 100%, 64%
HSV	19°, 72%, 100%
XYZ	50.5180, 37.9605, 10.7906
YIQ	161.3500, 92.8430, 7.9390

Conversions

Conversions Part 2

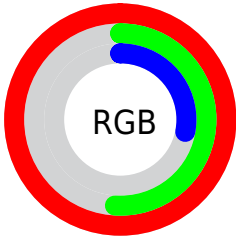
Format	Color
R_{YB}	255, 159, 72
Decimal	16745288
CIE _{Lab}	67.99, 42.98, 52.26
CIE _{LCh}	68, 67.666, 50.562
Yxy	37.9605, 0.5089, 0.3824
Android (android.graphics.Color)	4294935368 (0xFFFF8348)
YUV	161.3500, -44.0495, 82.1311
Hunter-Lab	61.6121, 38.5376, 32.7446

Details

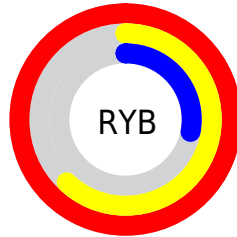
The Yxy color **37.9605, 0.5089, 0.3824** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **48.0378, 0.2126, 0.2526**, and the grayscale version is **35.9907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8079, 0.4249, 0.3938**, and **16.8526, 0.5583, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **33.4362, 0.5440, 0.3811**, and if you desaturate by 10%, it is **43.3999, 0.4724, 0.3794**.

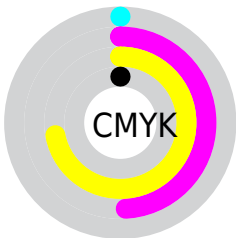
Distribution



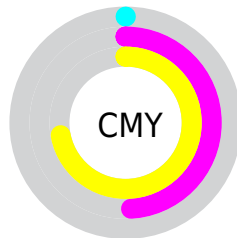
- Red (100%)
- Green (51%)
- Blue (28%)



- Red (100%)
- Yellow (62%)
- Blue (28%)



- Cyan (0%)
- Magenta (49%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9605, 0.5089, 0.3824 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 37.9605, 0.5089, 0.3824 by changing the saturation by 10% instead.

 37.9605, 0.5089,
0.3824


 37.9605, 0.5089,
0.3824


337.4505, 0.4105,
0.3654

 25.9520, 0.5316,
0.3827


 72.0476, 0.4742,
0.3790


 16.7878, 0.5588,
0.3807


 94.8950, 0.4607,
0.3769


 10.0833, 0.5914,
0.3742

 122.1242, 0.4492,
0.3748

 5.4542, 0.6370,
0.3630

 154.1195, 0.4393,
0.3727

 2.5162, 0.6728,
0.3272

 191.2655, 0.4307,
0.3707

 0.8847, 0.7295,
0.2705

233.9463, 0.4231,

 0.0000, 1.0000,

0.3688

0.0000

282.5465, 0.4165,
0.3671

■ 0.0000, 0.0000,
0.0000

■ 37.9605, 0.5089,
0.3824

■ 37.9605, 0.5089,
0.3824

■ 33.4362, 0.5440,
0.3811

■ 43.3999, 0.4724,
0.3794

■ 29.7643, 0.5742,
0.3748


■ 49.7992, 0.4374,
0.3732


■ 27.3319, 0.5939,
0.3667

■ 57.2070, 0.4055,
0.3653

■ 65.6665, 0.3775,
0.3564

■ 75.2185, 0.3533,
0.3474

 85.9013, 0.3328,
0.3387

 97.7514, 0.3155,
0.3304

99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



37.9605, 0.4852, 0.3147



37.9605, 0.5089, 0.3824



37.9605, 0.4706, 0.4523

Triad

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



37.9605, 0.5089, 0.3824



37.9605, 0.2173, 0.4214



37.9605, 0.2136, 0.1857

Complementary

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



37.9605, 0.5089, 0.3824



48.0378, 0.2126, 0.2526

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.



37.9605, 0.1646, 0.1901



37.9605, 0.5089, 0.3824



37.9605, 0.1641, 0.3076

Square

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



37.9605, 0.5089, 0.3824



37.9605, 0.3016, 0.5066



37.9605, 0.1480, 0.2275



37.9605, 0.2968, 0.2084

Rectangle

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



37.9605, 0.5089, 0.3824



37.9605, 0.4221, 0.4931



37.9605, 0.1480, 0.2275



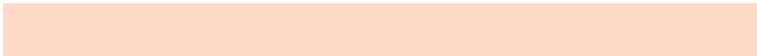
37.9605, 0.1935, 0.1840

Sweetspot

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



37.9625, 0.5089, 0.3824



75.0065, 0.3538, 0.3476



29.9184, 0.3849, 0.2147



15.4778, 0.3600, 0.3500



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.



37.9625, 0.5089, 0.3824



31.7906, 0.5575, 0.3791



73.6589, 0.4306, 0.4639



18.9440, 0.3286, 0.3367



14.5234, 0.5909, 0.3690



1.6024, 0.5689, 0.3865

Inverse Universe

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



48.0378, 0.2126, 0.2526



41.9667, 0.2012, 0.2348



18.8050, 0.1825, 0.1329



19.4350, 0.2980, 0.3211



19.6138, 0.1944, 0.2197



2.1080, 0.1982, 0.2336

Previews

White Background



This preview shows how the Yxy color 37.9605, 0.5089, 0.3824 looks on a white background.

Color Contrast Check

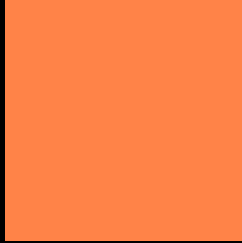
Large Text (above 18pt) WCAG AA × Fail

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 37.9605, 0.5089, 0.3824 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 37.9605, 0.5089, 0.3824

Background



This preview shows how black text looks on a background with the Yxy color 37.9605, 0.5089, 0.3824.



This preview shows how white text looks on a background with the Yxy color 37.9605, 0.5089, 0.3824.

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

37.9605, 0.5089, 0.3824

Protanopia

38.0873, 0.4031, 0.4391

Deuteranopia

38.1008, 0.4456, 0.4363



Tritanopia

37.9029, 0.4492, 0.3213

Trichromacy



Original Color

37.9605, 0.5089, 0.3824

Protanomaly

37.0486, 0.4430, 0.4167

Deuteranomaly

37.4445, 0.4694, 0.4148

Tritanomaly

37.8460, 0.4742, 0.3463

Monochromacy



Original Color

37.9605, 0.5089, 0.3824

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.9998, 0.3816, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9605, 0.5089, 0.3824 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, 131, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 72)  
}
```

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, 131, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 72) }
```

Border

The CSS property to change the border of an element to Yxy 37.9605, 0.5089, 0.3824 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, 131, 72) }
```

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

```
.border{ border-color:rgb(255, 131, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9605, 0.5089, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 72) }
```

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

```
.background{ background-color: rgb(255,  
131, 72) }
```

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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