

Converting Colors

$Y_{xy}(38.6471, 0.4979, 0.3759)$

Have a look what the booklet for
Yxy(38.6471, 0.4979, 0.3759)
contains.

Yxy(38.6596, 0.4980, 0.3761)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.6596, 0.4980, 0.3761)

Conversions

Conversions Part 1

Format	Color
Hex	FF8553
RGB	255, 133, 83
RGB Percent	100%, 52%, 33%
CMY	0.0000, 0.4784, 0.6746
CMYK	0.00, 0.48, 0.67, 0.00
HSL	17°, 100%, 66%
HSV	17°, 67%, 100%
XYZ	51.1898, 38.6596, 12.9414
YIQ	163.7780, 88.7620, 10.3140

Conversions

Conversions Part 2

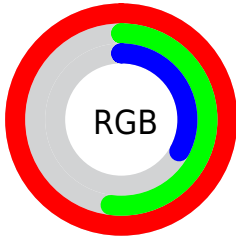
Format	Color
R_{YB}	255, 153, 83
Decimal	16745811
CIE _{Lab}	68.50, 42.56, 47.36
CIE _{LCh}	69, 63.677, 48.055
Yxy	38.6596, 0.4980, 0.3761
Android (android.graphics.Color)	4294935891 (0xFFFF8553)
YUV	163.7780, -39.8236, 80.0017
Hunter-Lab	62.1768, 38.1484, 31.1833

Details

The Yxy color **38.6596, 0.4980, 0.3761** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **52.7038, 0.2187, 0.2653**, and the grayscale version is **37.1737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9477, 0.4150, 0.3851**, and **17.0593, 0.5478, 0.3754** is the 20% darker color. If you saturate the color by 10%, you get **33.8037, 0.5355, 0.3763**, and if you desaturate by 10%, it is **44.5144, 0.4604, 0.3723**.

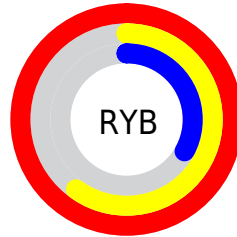
Distribution



Red (100%)

Green (52%)

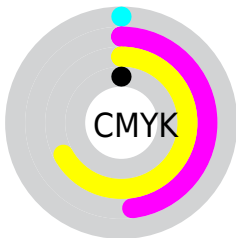
Blue (33%)



Red (100%)

Yellow (60%)

Blue (33%)

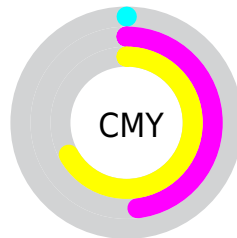


Cyan (0%)

Magenta (48%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6596, 0.4980, 0.3761 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 38.6596, 0.4980, 0.3761 by changing the saturation by 10% instead.


 38.6596, 0.4980,
0.3761


 38.6596, 0.4980,
0.3761


340.4411, 0.4044,
0.3607

 26.4950, 0.5201,
0.3767


 73.1180, 0.4646,
0.3728

 17.1943, 0.5472,
0.3755


 96.1806, 0.4518,
0.3709

 10.3731, 0.5803,
0.3705


 123.6447, 0.4409,
0.3689

 5.6471, 0.6291,
0.3628

 155.8947, 0.4315,
0.3671

 2.6317, 0.6691,
0.3309

 193.3149, 0.4234,
0.3653

 0.9426, 0.7241,
0.2759

236.2898, 0.4162,

 0.0000, 1.0000,

0.3637

0.0000

285.2037, 0.4100,
0.3621

■ 0.0000, 0.0000,
0.0000

■ 38.6596, 0.4980,
0.3761

■ 38.6596, 0.4980,
0.3761

■ 33.8037, 0.5355,
0.3763

■ 44.5144, 0.4604,
0.3723

■ 29.8836, 0.5694,
0.3719

■ 51.4203, 0.4253,
0.3660


■ 26.8308, 0.5959,
0.3629

■ 59.4285, 0.3942,
0.3584

■ 26.1798, 0.6017,
0.3605

■ 68.5863, 0.3672,
0.3502

■ 78.9377, 0.3443,
0.3422

 90.5245, 0.3250,
0.3344

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.



38.6596, 0.4695, 0.3114



38.6596, 0.4980, 0.3761



38.6596, 0.4675, 0.4422

Triad

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



38.6596, 0.4980, 0.3761



38.6596, 0.2294, 0.4236



38.6596, 0.2141, 0.1922

Complementary

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



38.6596, 0.4980, 0.3761



52.7038, 0.2187, 0.2653

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.



38.6596, 0.1696, 0.1992



38.6596, 0.4980, 0.3761



38.6596, 0.1752, 0.3180

Square

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



38.6596, 0.4980, 0.3761



38.6596, 0.3110, 0.4970



38.6596, 0.1563, 0.2388



38.6596, 0.2905, 0.2118

Rectangle

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



38.6596, 0.4980, 0.3761



38.6596, 0.4240, 0.4805



38.6596, 0.1563, 0.2388



38.6596, 0.1956, 0.1914

Sweetspot

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



38.6605, 0.4980, 0.3761



76.1957, 0.3498, 0.3442



31.9108, 0.3720, 0.2139



15.6786, 0.3561, 0.3465



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.



38.6605, 0.4980, 0.3761



32.3133, 0.5482, 0.3753



71.8854, 0.4287, 0.4545



18.8476, 0.3287, 0.3360



13.9009, 0.5988, 0.3628



1.5320, 0.5767, 0.3803

Inverse Universe

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



52.7038, 0.2187, 0.2653



46.8561, 0.2071, 0.2502



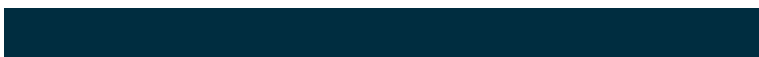
22.5492, 0.1911, 0.1520



19.5364, 0.2980, 0.3219



21.2756, 0.1976, 0.2312



2.2600, 0.2010, 0.2436

Previews

White Background



This preview shows how the Yxy color 38.6596, 0.4980, 0.3761 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 38.6596, 0.4980, 0.3761 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 38.6596, 0.4980, 0.3761

Background



This preview shows how black text looks on a background with the Yxy color 38.6596, 0.4980, 0.3761.



This preview shows how white text looks on a background with the Yxy color 38.6596, 0.4980, 0.3761.

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

38.6596, 0.4980, 0.3761

Protanopia

39.0218, 0.3924, 0.4273

Deuteranopia

38.5975, 0.4363, 0.4267



Tritanopia

38.7667, 0.4441, 0.3212

Trichromacy



Original Color

38.6596, 0.4980, 0.3761

Protanomaly

37.8997, 0.4313, 0.4067

Deuteranomaly

38.2245, 0.4591, 0.4076

Tritanomaly

38.5096, 0.4663, 0.3425

Monochromacy



Original Color

38.6596, 0.4980, 0.3761

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.4021, 0.3763, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6596, 0.4980, 0.3761 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, 133, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 83)  
}
```

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, 133, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 83) }
```

Border

The CSS property to change the border of an element to Yxy 38.6596, 0.4980, 0.3761 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, 133, 83) }
```

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

```
.border{ border-color:rgb(255, 133, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6596, 0.4980, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 83) }
```

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

```
.background{ background-color: rgb(255,  
133, 83) }
```

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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