

Converting Colors

$Yxy(38.7854, 0.5182, 0.3978)$

Have a look what the booklet for
Yxy(38.7854, 0.5182, 0.3978)
contains.

Yxy(38.8450, 0.5179, 0.3980)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.8450, 0.5179, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	FF8735
RGB	255, 135, 53
RGB Percent	100%, 53%, 21%
CMY	0.0000, 0.4706, 0.7919
CMYK	0.00, 0.47, 0.79, 0.00
HSL	24°, 100%, 60%
HSV	24°, 79%, 100%
XYZ	50.5473, 38.8450, 8.2082
YIQ	161.5320, 97.8420, -0.0620

Conversions

Conversions Part 2

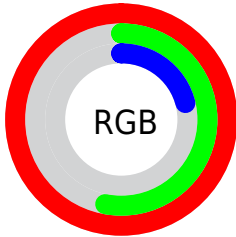
Format	Color
R_{YB}	255, 191, 53
Decimal	16746293
CIE _{Lab}	68.64, 40.27, 61.44
CIE _{LCh}	69, 73.464, 56.757
Yxy	38.8450, 0.5179, 0.3980
Android (android.graphics.Color)	4294936373 (0xFFFF8735)
YUV	161.5320, -53.5063, 81.9714
Hunter-Lab	62.3258, 35.6966, 35.8196

Details

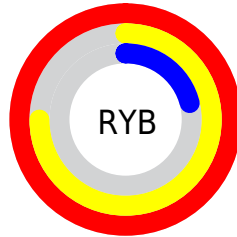
The Yxy color **38.8450, 0.5179, 0.3980** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **37.8833, 0.1999, 0.2197**, and the grayscale version is **36.1256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1068, 0.4356, 0.4139**, and **17.3930, 0.5609, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **34.7396, 0.5463, 0.3942**, and if you desaturate by 10%, it is **43.6810, 0.4862, 0.3965**.

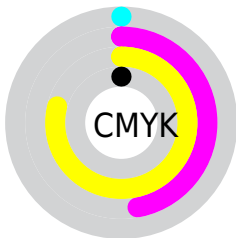
Distribution



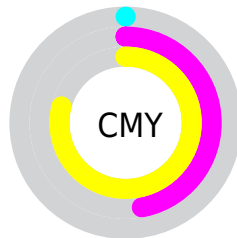
- Red (100%)
- Green (53%)
- Blue (21%)



- Red (100%)
- Yellow (75%)
- Blue (21%)



- Cyan (0%)
- Magenta (47%)
- Yellow (79%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8450, 0.5179, 0.3980 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 38.8450, 0.5179, 0.3980 by changing the saturation by 10% instead.


 38.8450, 0.5179,
0.3980


 38.8450, 0.5179,
0.3980

341.2310, 0.4177,
0.3759


 26.6392, 0.5396,
0.3985


 73.4015, 0.4835,
0.3936

 17.3024, 0.5647,
0.3963

 96.5209, 0.4699,
0.3908

 10.4503, 0.5960,
0.3905


 124.0470, 0.4581,
0.3880

 5.6986, 0.6270,
0.3730

 156.3641, 0.4479,
0.3853

 2.6627, 0.6605,
0.3395

 193.8567, 0.4389,
0.3827

 0.9583, 0.7138,
0.2862

 236.9091, 0.4310,

 0.0000, 1.0000,

0.3803

0.0000

285.9058, 0.4240,
0.3780

■ 0.0000, 0.0000,
0.0000

■ 38.8450, 0.5179,
0.3980

■ 38.8450, 0.5179,
0.3980

■ 34.7396, 0.5463,
0.3942

■ 43.6810, 0.4862,
0.3965

■ 31.3071, 0.5696,
0.3854

■ 49.2825, 0.4539,
0.3907

■ 31.0564, 0.5713,
0.3846

■ 55.6887, 0.4229,
0.3819

■ 62.9337, 0.3944,
0.3715

■ 71.0494, 0.3691,
0.3603

80.0658, 0.3469,
0.3492

90.0114, 0.3279,
0.3384

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



38.8450, 0.5093, 0.3263



38.8450, 0.5179, 0.3980



38.8450, 0.4644, 0.4723

Triad

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



38.8450, 0.5179, 0.3980



38.8450, 0.1952, 0.4027



38.8450, 0.2222, 0.1802

Complementary

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



38.8450, 0.5179, 0.3980



37.8833, 0.1999, 0.2197

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.



38.8450, 0.1636, 0.1782



38.8450, 0.5179, 0.3980



38.8450, 0.1484, 0.2830

Square

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



38.8450, 0.5179, 0.3980



38.8450, 0.2789, 0.5102



38.8450, 0.1396, 0.2086



38.8450, 0.3173, 0.2093

Rectangle

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



38.8450, 0.5179, 0.3980



38.8450, 0.4083, 0.5140



38.8450, 0.1396, 0.2086



38.8450, 0.1985, 0.1764

Sweetspot

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



38.8471, 0.5179, 0.3980



75.6193, 0.3572, 0.3545



26.8755, 0.4190, 0.2244



15.5091, 0.3652, 0.3585



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.



38.8471, 0.5179, 0.3980



32.6702, 0.5604, 0.3895



80.8217, 0.4269, 0.4823



19.1973, 0.3284, 0.3387



16.5027, 0.5684, 0.3869



1.8147, 0.5477, 0.4033

Inverse Universe

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



37.8833, 0.1999, 0.2197



31.3132, 0.1882, 0.1950



12.7762, 0.1678, 0.0978



19.1725, 0.2979, 0.3191



15.7257, 0.1861, 0.1899



1.7458, 0.1909, 0.2074

Previews

White Background



This preview shows how the Yxy color 38.8450, 0.5179, 0.3980 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 38.8450, 0.5179, 0.3980 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 38.8450, 0.5179, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 38.8450, 0.5179, 0.3980.



This preview shows how white text looks on a background with the Yxy color 38.8450, 0.5179, 0.3980.

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

38.8450, 0.5179, 0.3980

Protanopia

38.9179, 0.4186, 0.4606

Deuteranopia

38.8270, 0.4601, 0.4498



Tritanopia

38.7667, 0.4441, 0.3212

Trichromacy



Original Color

38.8450, 0.5179, 0.3980

Protanomaly

38.0897, 0.4562, 0.4363

Deuteranomaly

38.3488, 0.4828, 0.4296

Tritanomaly

38.5332, 0.4774, 0.3541

Monochromacy



Original Color

38.8450, 0.5179, 0.3980

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.5974, 0.3890, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8450, 0.5179, 0.3980 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, 135, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 53)  
}
```

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, 135, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 53) }
```

Border

The CSS property to change the border of an element to Yxy 38.8450, 0.5179, 0.3980 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, 135, 53) }
```

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

```
.border{ border-color:rgb(255, 135, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8450, 0.5179, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 53) }
```

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

```
.background{ background-color: rgb(255,  
135, 53) }
```

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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