

Converting Colors

$Y_{xy}(38.2257, 0.5068, 0.3850)$

Have a look what the booklet for
Yxy(38.2257, 0.5068, 0.3850)
contains.

Yxy(38.3008, 0.5070, 0.3853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.3008, 0.5070, 0.3853)

Conversions

Conversions Part 1

Format	Color
Hex	FE8547
RGB	254, 133, 71
RGB Percent	100%, 52%, 28%
CMY	0.0039, 0.4784, 0.7214
CMYK	0.00, 0.48, 0.72, 0.00
HSL	20°, 99%, 64%
HSV	20°, 72%, 100%
XYZ	50.3984, 38.3008, 10.7059
YIQ	162.1110, 92.0180, 6.3700

Conversions

Conversions Part 2

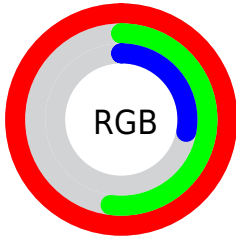
Format	Color
R _Y B	254, 165, 71
Decimal	16680263
CIE Lab	68.24, 41.59, 52.93
CIE LCh	68, 67.315, 51.846
Yxy	38.3008, 0.5070, 0.3853
Android (android.graphics.Color)	4294870343 (0xFFFE8547)
YUV	162.1110, -44.9177, 80.5867
Hunter-Lab	61.8876, 37.0587, 33.0648

Details

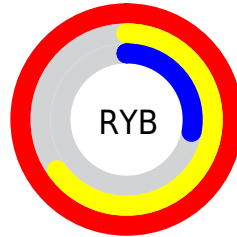
The Yxy color **38.3008, 0.5070, 0.3853** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **46.2137, 0.2114, 0.2482**, and the grayscale version is **36.3720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6316, 0.4245, 0.3967**, and **17.0117, 0.5553, 0.3847** is the 20% darker color. If you saturate the color by 10%, you get **33.8039, 0.5413, 0.3842**, and if you desaturate by 10%, it is **43.6736, 0.4713, 0.3820**.

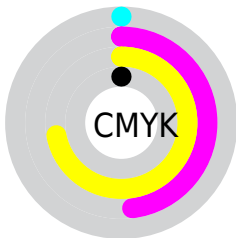
Distribution



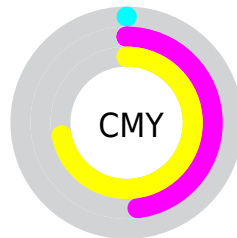
- Red (100%)
- Green (52%)
- Blue (28%)



- Red (100%)
- Yellow (65%)
- Blue (28%)



- Cyan (0%)
- Magenta (48%)
- Yellow (72%)
- Black (0%)



- Cyan (0%)
- Magenta (48%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3008, 0.5070, 0.3853 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 38.3008, 0.5070, 0.3853 by changing the saturation by 10% instead.


 38.3008, 0.5070,
0.3853


 38.3008, 0.5070,
0.3853


338.9086, 0.4099,
0.3668


 26.2162, 0.5293,
0.3860

 72.5690, 0.4728,
0.3814


 16.9855, 0.5560,
0.3844


 95.5213, 0.4595,
0.3791

 10.2241, 0.5879,
0.3785


 122.8651, 0.4482,
0.3768

 5.5478, 0.6320,
0.3680

 154.9846, 0.4384,
0.3745

 2.5721, 0.6668,
0.3332

 192.2644, 0.4298,
0.3724

 0.9127, 0.7220,
0.2780

235.0887, 0.4224,

 0.0000, 1.0000,

0.3704

0.0000

283.8419, 0.4157,
0.3686

■ 0.0000, 0.0000,
0.0000

■ 38.3008, 0.5070,
0.3853

■ 38.3008, 0.5070,
0.3853

■ 33.8039, 0.5413,
0.3842

■ 43.6736, 0.4713,
0.3820

■ 30.1235, 0.5708,
0.3779


■ 49.9638, 0.4369,
0.3756


■ 27.7288, 0.5897,
0.3700

■ 57.2171, 0.4055,
0.3672

■ 65.4743, 0.3777,
0.3580

■ 74.7734, 0.3537,
0.3485

 85.1505, 0.3332,
0.3393

 96.6398, 0.3159,
0.3307

99.8102, 0.3121,
0.3290

Harmonies

Analogous

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



38.3008, 0.4862, 0.3177



38.3008, 0.5070, 0.3853



38.3008, 0.4670, 0.4545

Triad

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



38.3008, 0.5070, 0.3853



38.3008, 0.2151, 0.4158



38.3008, 0.2172, 0.1870

Complementary

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



38.3008, 0.5070, 0.3853



46.2137, 0.2114, 0.2482

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.



38.3008, 0.1669, 0.1902



38.3008, 0.5070, 0.3853



38.3008, 0.1637, 0.3036

Square

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



38.3008, 0.5070, 0.3853



38.3008, 0.2980, 0.5030



38.3008, 0.1491, 0.2260



38.3008, 0.3012, 0.2107

Rectangle

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



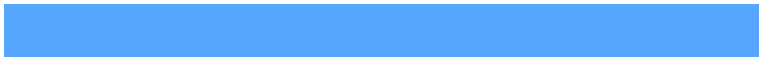
38.3008, 0.5070, 0.3853



38.3008, 0.4181, 0.4942



38.3008, 0.1491, 0.2260



38.3008, 0.1966, 0.1849

Sweetspot

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



38.3029, 0.5070, 0.3853



75.4693, 0.3536, 0.3485



29.4340, 0.3892, 0.2171



15.5860, 0.3598, 0.3510



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.



38.3029, 0.5070, 0.3853



32.5306, 0.5538, 0.3823



74.5716, 0.4287, 0.4665



18.9924, 0.3286, 0.3371



14.8630, 0.5868, 0.3723



1.6399, 0.5649, 0.3897

Inverse Universe

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



46.2137, 0.2114, 0.2482



40.5283, 0.1998, 0.2298



17.9099, 0.1813, 0.1288



19.3844, 0.2980, 0.3208



18.8176, 0.1928, 0.2140



2.0346, 0.1968, 0.2286

Previews

White Background



This preview shows how the Yxy color 38.3008, 0.5070, 0.3853 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 38.3008, 0.5070, 0.3853 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 38.3008, 0.5070, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 38.3008, 0.5070, 0.3853.



This preview shows how white text looks on a background with the Yxy color 38.3008, 0.5070, 0.3853.

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

38.3008, 0.5070, 0.3853

Protanopia

38.5458, 0.4049, 0.4419

Deuteranopia

38.5878, 0.4457, 0.4369



Tritanopia

38.2163, 0.4464, 0.3202

Trichromacy



Original Color

38.3008, 0.5070, 0.3853

Protanomaly

37.6801, 0.4428, 0.4209

Deuteranomaly

38.2255, 0.4690, 0.4172

Tritanomaly

38.1304, 0.4725, 0.3463

Monochromacy



Original Color

38.3008, 0.5070, 0.3853

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.3203, 0.3812, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3008, 0.5070, 0.3853 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(254, 133, 71)` looks like.

```
.text, #text, p{  
    color:rgb(254, 133, 71)  
}
```

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(254, 133, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 133, 71) }
```

Border

The CSS property to change the border of an element to Yxy 38.3008, 0.5070, 0.3853 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(254, 133, 71) }
```

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

```
.border{ border-color:rgb(254, 133, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 133, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 133, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 133, 71);  
box-shadow:4px 4px 4px 4px rgb(254, 133,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3008, 0.5070, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 133, 71) }
```

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

```
.background{ background-color: rgb(254,  
133, 71) }
```

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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