

Converting Colors

$Y_{xy}(56.1015, 0.5451, 0.3767)$

Have a look what the booklet for
Yxy(56.1015, 0.5451, 0.3767)
contains.

Yxy(40.9993, 0.5027, 0.3972)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.9993, 0.5027, 0.3972)

Conversions

Conversions Part 1

Format	Color
Hex	FF8E42
RGB	255, 142, 66
RGB Percent	100%, 56%, 26%
CMY	0.0001, 0.4430, 0.7412
CMYK	0.00, 0.44, 0.74, 0.00
HSL	24°, 100%, 63%
HSV	24°, 74%, 100%
XYZ	51.8891, 40.9993, 10.3324
YIQ	167.1230, 91.7440, 0.3200

Conversions

Conversions Part 2

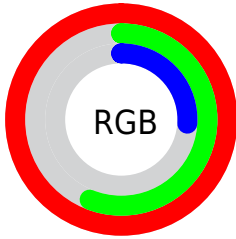
Format	Color
R _Y B	255, 193, 66
Decimal	16748098
CIE Lab	70.18, 37.20, 57.35
CIE LCh	70, 68.363, 57.031
Yxy	40.9993, 0.5027, 0.3972
Android (android.graphics.Color)	4294938178 (0xFFFF8E42)
YUV	167.1230, -49.8536, 77.0681
Hunter-Lab	64.0307, 32.5988, 35.2541

Details

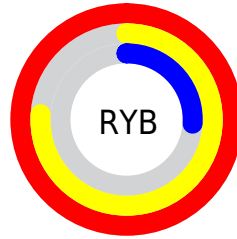
The Yxy color **40.9993, 0.5027, 0.3972** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **40.5953, 0.2051, 0.2287**, and the grayscale version is **38.9233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5005, 0.4220, 0.4091**, and **18.5385, 0.5474, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **36.5348, 0.5333, 0.3961**, and if you desaturate by 10%, it is **46.2221, 0.4702, 0.3934**.

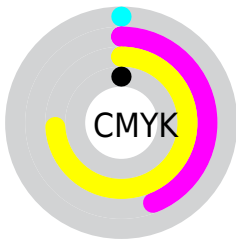
Distribution



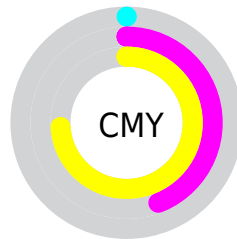
- Red (100%)
- Green (56%)
- Blue (26%)



- Red (100%)
- Yellow (76%)
- Blue (26%)



- Cyan (0%)
- Magenta (44%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9993, 0.5027, 0.3972 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 40.9993, 0.5027, 0.3972 by changing the saturation by 10% instead.


 40.9993, 0.5027,
0.3972

 40.9993, 0.5027,
0.3972


350.3177, 0.4096,
0.3734

 28.3185, 0.5233,
0.3990


 76.6828, 0.4704,
0.3915

 18.5659, 0.5477,
0.3989


 100.4544, 0.4578,
0.3885


 11.3570, 0.5762,
0.3948


 128.6917, 0.4469,
0.3855

 6.3075, 0.6138,
0.3862

 161.7791, 0.4374,
0.3827

 3.0330, 0.6436,
0.3564

 200.1010, 0.4291,
0.3801

 1.1490, 0.6909,
0.3091

244.0418, 0.4219,

 0.0194, 0.9795,

0.3777

0.0205

293.9859, 0.4154,
0.3754

■ 0.0000, 0.0000,
0.0000

■ 40.9993, 0.5027,
0.3972

■ 40.9993, 0.5027,
0.3972

■ 36.5348, 0.5333,
0.3961

■ 46.2221, 0.4702,
0.3934

■ 32.7777, 0.5593,
0.3896


■ 52.2361, 0.4382,
0.3860

■ 30.8716, 0.5723,
0.3838

■ 59.0793, 0.4082,
0.3764

■ 66.7851, 0.3812,
0.3656

■ 75.3848, 0.3575,
0.3544

 84.9079, 0.3369,
0.3435

 95.3823, 0.3192,
0.3331

99.9949, 0.3127,
0.3290

Harmonies

Analogous

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



40.9993, 0.4934, 0.3292



40.9993, 0.5027, 0.3972



40.9993, 0.4549, 0.4652

Triad

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



40.9993, 0.5027, 0.3972



40.9993, 0.2043, 0.3953



40.9993, 0.2299, 0.1901

Complementary

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



40.9993, 0.5027, 0.3972



40.5953, 0.2051, 0.2287

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.



40.9993, 0.1740, 0.1884



40.9993, 0.5027, 0.3972



40.9993, 0.1596, 0.2873

Square

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



40.9993, 0.5027, 0.3972



40.9993, 0.2826, 0.4918



40.9993, 0.1508, 0.2178



40.9993, 0.3185, 0.2178

Rectangle

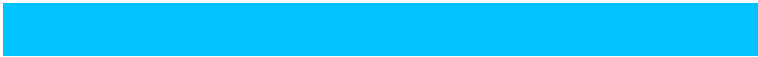
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.9993, 0.5027, 0.3972



40.9993, 0.4032, 0.5010



40.9993, 0.1508, 0.2178



40.9993, 0.2074, 0.1864

Sweetspot

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



41.0015, 0.5027, 0.3972



77.3401, 0.3529, 0.3521



28.4213, 0.4095, 0.2266



16.0241, 0.3588, 0.3551



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.



41.0015, 0.5027, 0.3972



34.6222, 0.5467, 0.3936



81.6826, 0.4223, 0.4776



19.1865, 0.3284, 0.3386



16.4084, 0.5694, 0.3861



1.8049, 0.5486, 0.4026

Inverse Universe

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



40.5953, 0.2051, 0.2287



33.9098, 0.1923, 0.2053



14.8570, 0.1748, 0.1104



19.1835, 0.2979, 0.3192



15.8769, 0.1865, 0.1912



1.7601, 0.1913, 0.2085

Previews

White Background



This preview shows how the Yxy color 40.9993, 0.5027, 0.3972 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 40.9993, 0.5027, 0.3972 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 40.9993, 0.5027, 0.3972

Background



This preview shows how black text looks on a background with the Yxy color 40.9993, 0.5027, 0.3972.



This preview shows how white text looks on a background with the Yxy color 40.9993, 0.5027, 0.3972.

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

40.9993, 0.5027, 0.3972

Protanopia

41.0894, 0.4112, 0.4505

Deuteranopia

40.9677, 0.4515, 0.4411



Tritanopia

40.9127, 0.4314, 0.3200

Trichromacy



Original Color

40.9993, 0.5027, 0.3972

Protanomaly

40.2538, 0.4449, 0.4300

Deuteranomaly

40.6135, 0.4718, 0.4237

Tritanomaly

40.6979, 0.4621, 0.3516

Monochromacy



Original Color

40.9993, 0.5027, 0.3972

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.2075, 0.3813, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9993, 0.5027, 0.3972 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, 142, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 66)  
}
```

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, 142, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 66) }
```

Border

The CSS property to change the border of an element to Yxy 40.9993, 0.5027, 0.3972 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, 142, 66) }
```

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

```
.border{ border-color:rgb(255, 142, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 142, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9993, 0.5027, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 66) }
```

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

```
.background{ background-color: rgb(255,  
142, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor