

Converting Colors

$Y_{xy}(45.4603, 0.4775, 0.3974)$

Have a look what the booklet for
Yxy(45.4603, 0.4775, 0.3974)
contains.

Yxy(45.3428, 0.4779, 0.3972)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.3428, 0.4779, 0.3972)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B54
RGB	255, 155, 84
RGB Percent	100%, 61%, 33%
CMY	0.0001, 0.3921, 0.6707
CMYK	0.00, 0.39, 0.67, 0.00
HSL	25°, 100%, 66%
HSV	25°, 67%, 100%
XYZ	54.5552, 45.3428, 14.2581
YIQ	176.8060, 82.3910, -0.8810

Conversions

Conversions Part 2

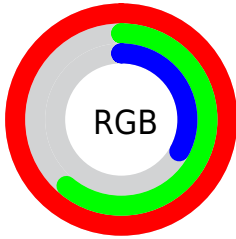
Format	Color
R _Y B	255, 205, 84
Decimal	16751444
CIE Lab	73.12, 31.40, 52.09
CIE LCh	73, 60.823, 58.913
Yxy	45.3428, 0.4779, 0.3972
Android (android.graphics.Color)	4294941524 (0xFFFF9B54)
YUV	176.8060, -45.7534, 68.5761
Hunter-Lab	67.3371, 26.7774, 34.5818

Details

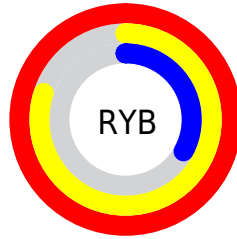
The Yxy color **45.3428, 0.4779, 0.3972** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.3548, 0.2121, 0.2368**, and the grayscale version is **44.0722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1308, 0.4022, 0.4046**, and **21.1478, 0.5179, 0.4039** is the 20% darker color. If you saturate the color by 10%, you get **40.3564, 0.5094, 0.3999**, and if you desaturate by 10%, it is **51.0915, 0.4461, 0.3904**.

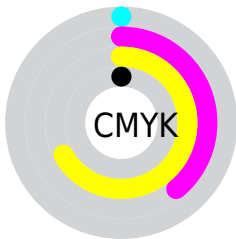
Distribution



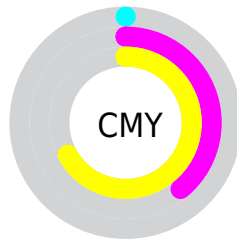
- Red (100%)
- Green (61%)
- Blue (33%)



- Red (100%)
- Yellow (80%)
- Blue (33%)



- Cyan (0%)
- Magenta (39%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (39%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3428, 0.4779, 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 45.3428, 0.4779, 0.3972 by changing the saturation by 10% instead.


 45.3428, 0.4779,
0.3972


 45.3428, 0.4779,
0.3972


368.1601, 0.3972,
0.3708

 31.7275, 0.4962,
0.4008


 83.2346, 0.4497,
0.3898

 21.1535, 0.5181,
0.4035


 108.2799, 0.4388,
0.3863

 13.2362, 0.5444,
0.4042


 137.9040, 0.4294,
0.3831

 7.5914, 0.5791,
0.4023

 172.4912, 0.4212,
0.3802

 3.8346, 0.6134,
0.3866

 212.4261, 0.4140,
0.3775

 1.5815, 0.6500,
0.3500

258.0929, 0.4078,

 0.3451, 0.7646,

0.3751

0.2354

309.8762, 0.4022,
0.3729

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3428, 0.4779,
0.3972

■ 45.3428, 0.4779,
0.3972

■ 40.3564, 0.5094,
0.3999

■ 51.0915, 0.4461,
0.3904

■ 36.0866, 0.5383,
0.3975

■ 57.6309, 0.4159,
0.3810

■ 32.4907, 0.5622,
0.3896

■ 64.9956, 0.3884,
0.3701

■ 31.5508, 0.5685,
0.3868

■ 73.2163, 0.3639,
0.3586

82.3215, 0.3426,
0.3472

92.3386, 0.3241,
0.3363

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



45.3428, 0.4710, 0.3357



45.3428, 0.4779, 0.3972



45.3428, 0.4361, 0.4547

Triad

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



45.3428, 0.4779, 0.3972



45.3428, 0.2154, 0.3800



45.3428, 0.2448, 0.2064

Complementary

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



45.3428, 0.4779, 0.3972



43.3548, 0.2121, 0.2368

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.



45.3428, 0.1921, 0.2040



45.3428, 0.4779, 0.3972



45.3428, 0.1761, 0.2900

Square

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



45.3428, 0.4779, 0.3972



45.3428, 0.2839, 0.4625



45.3428, 0.1692, 0.2299



45.3428, 0.3241, 0.2329

Rectangle

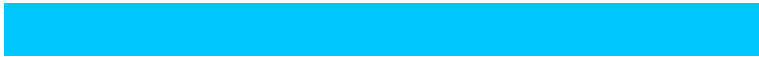
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3428, 0.4779, 0.3972



45.3428, 0.3905, 0.4812



45.3428, 0.1692, 0.2299



45.3428, 0.2239, 0.2028

Sweetspot

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



45.3451, 0.4779, 0.3972



79.5722, 0.3485, 0.3505



31.1622, 0.3966, 0.2317



16.4803, 0.3545, 0.3537



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.



45.3451, 0.4779, 0.3972



39.0385, 0.5183, 0.3998



82.9742, 0.4148, 0.4691



19.2269, 0.3284, 0.3389



16.7671, 0.5657, 0.3891



1.8421, 0.5452, 0.4053

Inverse Universe

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



43.3548, 0.2121, 0.2368



36.7651, 0.1984, 0.2156



18.4238, 0.1862, 0.1302



19.1422, 0.2979, 0.3189



15.3151, 0.1852, 0.1865



1.7069, 0.1901, 0.2043

Previews

White Background



This preview shows how the Yxy color 45.3428, 0.4779, 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 45.3428, 0.4779, 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 45.3428, 0.4779, 0.3972

Background



This preview shows how black text looks on a background with the Yxy color 45.3428, 0.4779, 0.3972.



This preview shows how white text looks on a background with the Yxy color 45.3428, 0.4779, 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

45.3428, 0.4779, 0.3972

Protanopia

45.5573, 0.4017, 0.4377

Deuteranopia

45.3930, 0.4392, 0.4293



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.3428, 0.4779, 0.3972

Protanomaly

44.9072, 0.4292, 0.4228

Deuteranomaly

45.1665, 0.4544, 0.4171

Tritanomaly

45.0592, 0.4375, 0.3491

Monochromacy



Original Color

45.3428, 0.4779, 0.3972

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.3382, 0.3704, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3428, 0.4779, 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, 155, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 84)  
}
```

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, 155, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 84) }
```

Border

The CSS property to change the border of an element to Yxy 45.3428, 0.4779, 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, 155, 84) }
```

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

```
.border{ border-color:rgb(255, 155, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3428, 0.4779, 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, 155, 84) }
```

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

```
.background{ background-color: rgb(255,  
155, 84) }
```

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