

Converting Colors

$Y_{xy}(43.9722, 0.4672, 0.3769)$

Have a look what the booklet for
Yxy(43.9722, 0.4672, 0.3769)
contains.

Yxy(44.0320, 0.4671, 0.3771)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.0320, 0.4671, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	FF9666
RGB	255, 150, 102
RGB Percent	100%, 59%, 40%
CMY	0.0001, 0.4117, 0.6000
CMYK	0.00, 0.41, 0.60, 0.00
HSL	19°, 100%, 70%
HSV	19°, 60%, 100%
XYZ	54.5408, 44.0320, 18.1920
YIQ	175.9230, 77.9880, 7.3320

Conversions

Conversions Part 2

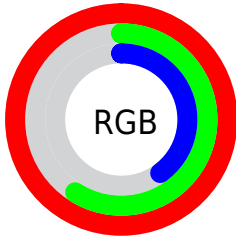
Format	Color
R _Y B	255, 172, 102
Decimal	16750182
CIE Lab	72.25, 35.11, 42.00
CIE LCh	72, 54.740, 50.109
Yxy	44.0320, 0.4671, 0.3771
Android (android.graphics.Color)	4294940262 (0xFFFF9666)
YUV	175.9230, -36.4440, 69.3505
Hunter-Lab	66.3566, 30.5913, 30.1950

Details

The Yxy color **44.0320, 0.4671, 0.3771** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.6509, 0.2255, 0.2689**, and the grayscale version is **43.5384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2557, 0.3913, 0.3820**, and **20.4617, 0.5085, 0.3817** is the 20% darker color. If you saturate the color by 10%, you get **38.4303, 0.5039, 0.3806**, and if you desaturate by 10%, it is **50.6274, 0.4322, 0.3708**.

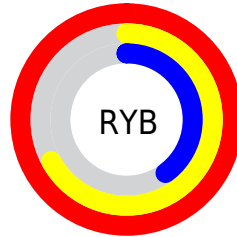
Distribution



Red (100%)

Green (59%)

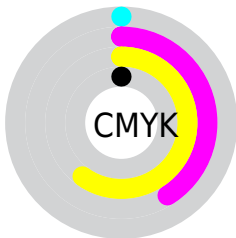
Blue (40%)



Red (100%)

Yellow (67%)

Blue (40%)

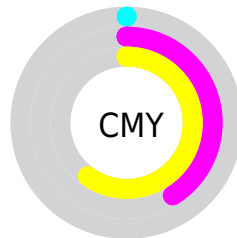


Cyan (0%)

Magenta (41%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0320, 0.4671, 0.3771 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 44.0320, 0.4671, 0.3771 by changing the saturation by 10% instead.

 44.0320, 0.4671,
0.3771

 44.0320, 0.4671,
0.3771


362.8388, 0.3899,
0.3588


 30.6957, 0.4855,
0.3795


 81.2659, 0.4395,
0.3720

 20.3672, 0.5083,
0.3813

 105.9322, 0.4290,
0.3696

 12.6623, 0.5368,
0.3814

 135.1441, 0.4200,
0.3674

 7.1964, 0.5727,
0.3774

 169.2857, 0.4123,
0.3653

 3.5852, 0.6291,
0.3709

208.7416, 0.4056,
0.3635

 1.4444, 0.6702,
0.3298

253.8962, 0.3997,

 0.2491, 0.8180,

0.3617

0.1820

305.1338, 0.3945,
0.3602

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.0320, 0.4671,
0.3771

■ 44.0320, 0.4671,
0.3771

■ 38.4303, 0.5039,
0.3806

■ 50.6274, 0.4322,
0.3708

■ 33.7638, 0.5399,
0.3800


■ 58.2571, 0.4006,
0.3628

■ 29.9777, 0.5715,
0.3745

■ 66.9675, 0.3731,
0.3541

■ 27.0006, 0.5961,
0.3649

■ 76.8001, 0.3495,
0.3454

 87.7940, 0.3296,
0.3369

99.9865, 0.3127,
0.3290

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



44.0320, 0.4452, 0.3202



44.0320, 0.4671, 0.3771



44.0320, 0.4416, 0.4318

Triad

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



44.0320, 0.4671, 0.3771



44.0320, 0.2403, 0.4000



44.0320, 0.2335, 0.2125

Complementary

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



44.0320, 0.4671, 0.3771



54.6509, 0.2255, 0.2689

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.



44.0320, 0.1922, 0.2180



44.0320, 0.4671, 0.3771



44.0320, 0.1946, 0.3165

Square

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



44.0320, 0.4671, 0.3771



44.0320, 0.3091, 0.4619



44.0320, 0.1789, 0.2517



44.0320, 0.3005, 0.2309

Rectangle

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



44.0320, 0.4671, 0.3771



44.0320, 0.4050, 0.4601



44.0320, 0.1789, 0.2517



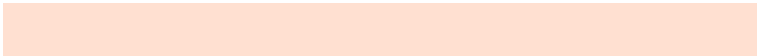
44.0320, 0.2166, 0.2115

Sweetspot

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



44.0343, 0.4671, 0.3771



78.9155, 0.3453, 0.3436



35.3663, 0.3662, 0.2252



16.2389, 0.3515, 0.3462



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.



44.0343, 0.4671, 0.3771



37.4287, 0.5112, 0.3808



75.7367, 0.4150, 0.4465



18.9173, 0.3286, 0.3365



14.3439, 0.5931, 0.3672



1.5823, 0.5711, 0.3848

Inverse Universe

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



54.6509, 0.2255, 0.2689



48.6751, 0.2129, 0.2545



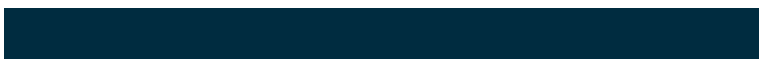
26.7064, 0.2034, 0.1705



19.4630, 0.2980, 0.3214



20.0638, 0.1953, 0.2229



2.1493, 0.1990, 0.2364

Previews

White Background



This preview shows how the Yxy color 44.0320, 0.4671, 0.3771 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 44.0320, 0.4671, 0.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

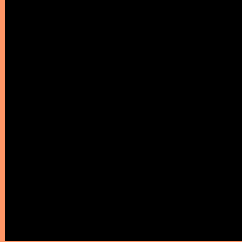
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.0320, 0.4671, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 44.0320, 0.4671, 0.3771.



This preview shows how white text looks on a background with the Yxy color 44.0320, 0.4671, 0.3771.

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

44.0320, 0.4671, 0.3771

Protanopia

44.3481, 0.3819, 0.4148

Deuteranopia

44.0095, 0.4218, 0.4125



Tritanopia

43.8774, 0.4162, 0.3188

Trichromacy



Original Color

44.0320, 0.4671, 0.3771

Protanomaly

43.6869, 0.4132, 0.4009

Deuteranomaly

43.7304, 0.4393, 0.3991

Tritanomaly

43.9050, 0.4356, 0.3408

Monochromacy



Original Color

44.0320, 0.4671, 0.3771

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.7865, 0.3654, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0320, 0.4671, 0.3771 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, 150, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 102)  
}
```

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, 150, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 102) }
```

Border

The CSS property to change the border of an element to Yxy 44.0320, 0.4671, 0.3771 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, 150, 102) }
```

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

```
.border{ border-color:rgb(255, 150, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0320, 0.4671, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 102) }
```

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

```
.background{ background-color: rgb(255,  
150, 102) }
```

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