

Converting Colors

$Y_{xy}(43.6590, 0.4763, 0.3999)$

Have a look what the booklet for
Yxy(43.6590, 0.4763, 0.3999)
contains.

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Color

Yxy(43.5163, 0.4770, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	F99951
RGB	249, 153, 81
RGB Percent	98%, 60%, 32%
CMY	0.0235, 0.4000, 0.6825
CMYK	0.00, 0.39, 0.67, 0.02
HSL	26°, 93%, 65%
HSV	26°, 67%, 98%
XYZ	51.9451, 43.5163, 13.4382
YIQ	173.4960, 80.3280, -2.0400

Conversions

Conversions Part 2

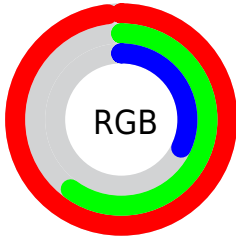
Format	Color
R_{YB}	249, 207, 81
Decimal	16357713
CIE _{Lab}	71.90, 29.90, 51.98
CIE _{LCh}	72, 59.967, 60.094
Yxy	43.5163, 0.4770, 0.3996
Android (android.graphics.Color)	4294547793 (0xFFFF99951)
YUV	173.4960, -45.6005, 66.2170
Hunter-Lab	65.9669, 25.1164, 34.0988

Details

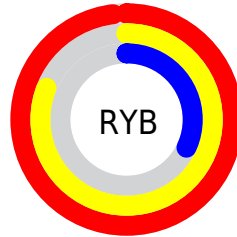
The Yxy color **43.5163, 0.4770, 0.3996** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **40.0199, 0.2109, 0.2331**, and the grayscale version is **42.2622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0652, 0.4053, 0.4055**, and **20.0925, 0.5180, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **38.8284, 0.5078, 0.4025**, and if you desaturate by 10%, it is **48.9008, 0.4459, 0.3927**.

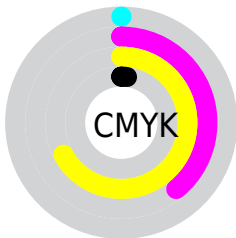
Distribution



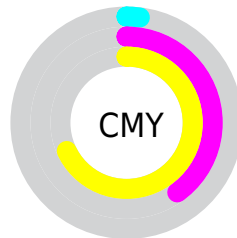
- Red (98%)
- Green (60%)
- Blue (32%)



- Red (98%)
- Yellow (81%)
- Blue (32%)



- Cyan (0%)
- Magenta (39%)
- Yellow (67%)
- Black (2%)





- Cyan (2%)
- Magenta (40%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5163, 0.4770, 0.3996 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 43.5163, 0.4770, 0.3996 by changing the saturation by 10% instead.


 43.5163, 0.4770,
0.3996

 43.5163, 0.4770,
0.3996


360.7308, 0.3963,
0.3718


 30.2904, 0.4953,
0.4035


 80.4894, 0.4488,
0.3917


 20.0591, 0.5174,
0.4066


 105.0054, 0.4378,
0.3880

 12.4380, 0.5437,
0.4074


 134.0536, 0.4284,
0.3847

 7.0427, 0.5806,
0.4072

 168.0183, 0.4202,
0.3816

 3.4888, 0.6114,
0.3886

 207.2840, 0.4131,
0.3788

 1.3920, 0.6491,
0.3509

252.2351, 0.4068,

 0.2108, 0.8158,

0.3762

0.1842

303.2558, 0.4013,
0.3739

■ 0.0000, 0.0000,
0.0000

■ 43.5163, 0.4770,
0.3996

■ 43.5163, 0.4770,
0.3996

■ 38.8284, 0.5078,
0.4025

■ 48.9008, 0.4459,
0.3927

■ 34.7951, 0.5358,
0.4001

■ 55.0071, 0.4161,
0.3830

■ 31.3774, 0.5591,
0.3924


■ 61.8668, 0.3889,
0.3718

■ 30.6048, 0.5645,
0.3900

■ 69.5075, 0.3646,
0.3600

■ 77.9552, 0.3433,
0.3483

 87.2343, 0.3248,
0.3370

 97.3511, 0.3091,
0.3267

 98.8817, 0.3090,
0.3290

Harmonies

Analogous

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



43.5163, 0.4723, 0.3381



43.5163, 0.4770, 0.3996



43.5163, 0.4337, 0.4566

Triad

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



43.5163, 0.4770, 0.3996



43.5163, 0.2133, 0.3763



43.5163, 0.2475, 0.2071

Complementary

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



43.5163, 0.4770, 0.3996



40.0199, 0.2109, 0.2331

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.



43.5163, 0.1937, 0.2036



43.5163, 0.4770, 0.3996



43.5163, 0.1753, 0.2869

Square

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



43.5163, 0.4770, 0.3996



43.5163, 0.2809, 0.4600



43.5163, 0.1696, 0.2283



43.5163, 0.3276, 0.2344

Rectangle

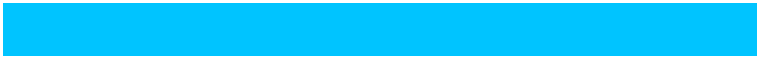
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.5163, 0.4770, 0.3996



43.5163, 0.3875, 0.4822



43.5163, 0.1696, 0.2283



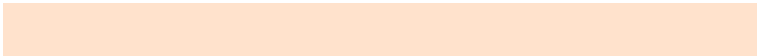
43.5163, 0.2263, 0.2031

Sweetspot

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



43.5185, 0.4770, 0.3996



79.9380, 0.3484, 0.3512



29.2751, 0.4009, 0.2341



16.5675, 0.3543, 0.3545



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.



43.5185, 0.4770, 0.3996



39.3674, 0.5183, 0.4023



80.1556, 0.4134, 0.4716



18.4487, 0.3283, 0.3392



16.6496, 0.5617, 0.3922



1.7477, 0.5407, 0.4089

Inverse Universe

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



40.0199, 0.2109, 0.2331



35.2970, 0.1965, 0.2101



16.7660, 0.1849, 0.1261



18.2894, 0.2980, 0.3186



14.3453, 0.1839, 0.1820



1.5390, 0.1892, 0.2012

Previews

White Background



This preview shows how the Yxy color 43.5163, 0.4770, 0.3996 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 43.5163, 0.4770, 0.3996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

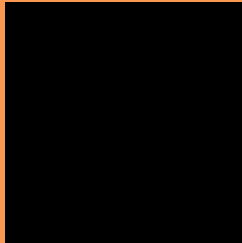
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.5163, 0.4770, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 43.5163, 0.4770, 0.3996.



This preview shows how white text looks on a background with the Yxy color 43.5163, 0.4770, 0.3996.

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

43.5163, 0.4770, 0.3996

Protanopia

43.7677, 0.4020, 0.4395

Deuteranopia

43.6012, 0.4401, 0.4306



Tritanopia

43.6882, 0.4153, 0.3188

Trichromacy



Original Color

43.5163, 0.4770, 0.3996

Protanomaly

43.1242, 0.4300, 0.4242

Deuteranomaly

43.5674, 0.4538, 0.4197

Tritanomaly

43.4338, 0.4406, 0.3503

Monochromacy



Original Color

43.5163, 0.4770, 0.3996

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.5834, 0.3704, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5163, 0.4770, 0.3996 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(249, 153, 81)` looks like.

```
.text, #text, p{  
    color:rgb(249, 153, 81)  
}
```

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(249, 153, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 153, 81) }
```

Border

The CSS property to change the border of an element to Yxy 43.5163, 0.4770, 0.3996 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(249, 153, 81) }
```

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

```
.border{ border-color:rgb(249, 153, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 153, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 153, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 153, 81);  
box-shadow:4px 4px 4px 4px rgb(249, 153,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5163, 0.4770, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 153, 81) }
```

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

```
.background{ background-color: rgb(249,  
153, 81) }
```

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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