

Converting Colors

$Y_{xy}(43.7421, 0.4701, 0.3931)$

Have a look what the booklet for
Yxy(43.7421, 0.4701, 0.3931)
contains.

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Color

Yxy(43.6435, 0.4707, 0.3931)

Conversions

Conversions Part 1

Format	Color
Hex	F99959
RGB	249, 153, 89
RGB Percent	98%, 60%, 35%
CMY	0.0236, 0.4000, 0.6510
CMYK	0.00, 0.39, 0.64, 0.02
HSL	24°, 93%, 66%
HSV	24°, 64%, 98%
XYZ	52.2590, 43.6435, 15.1215
YIQ	174.4080, 77.7600, 0.4480

Conversions

Conversions Part 2

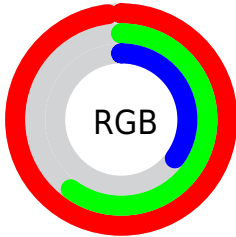
Format	Color
R_{YB}	249, 196, 89
Decimal	16357721
CIE _{Lab}	71.99, 30.35, 48.13
CIE _{LCh}	72, 56.904, 57.767
Yxy	43.6435, 0.4707, 0.3931
Android (android.graphics.Color)	4294547801 (0xFFFF99959)
YUV	174.4080, -42.1061, 65.4172
Hunter-Lab	66.0632, 25.5908, 32.6732

Details

The Yxy color **43.6435, 0.4707, 0.3931** 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 **43.6535, 0.2164, 0.2449**, and the grayscale version is **42.7411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2948, 0.3996, 0.3978**, and **20.1452, 0.5116, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **38.7078, 0.5032, 0.3968**, and if you desaturate by 10%, it is **49.3373, 0.4386, 0.3858**.

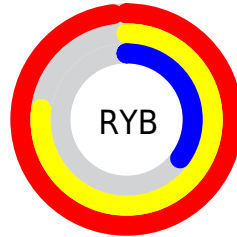
Distribution



Red (98%)

Green (60%)

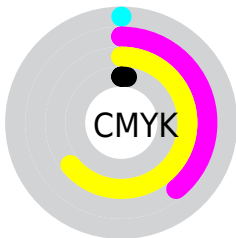
Blue (35%)



Red (98%)

Yellow (77%)

Blue (35%)

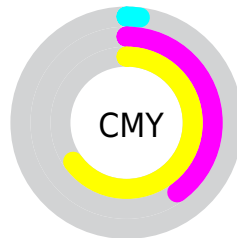


Cyan (0%)

Magenta (39%)

Yellow (64%)

Black (2%)



Cyan (2%)


Magenta (40%)


Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6435, 0.4707, 0.3931 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 43.6435, 0.4707, 0.3931 by changing the saturation by 10% instead.


 43.6435, 0.4707,
0.3931

 43.6435, 0.4707,
0.3931


361.2515, 0.3925,
0.3676


 30.3903, 0.4888,
0.3968


 80.6810, 0.4431,
0.3857


 20.1351, 0.5109,
0.3999


 105.2342, 0.4324,
0.3824

 12.4933, 0.5378,
0.4012


 134.3228, 0.4233,
0.3793

 7.0805, 0.5727,
0.3996

 168.3313, 0.4155,
0.3765

 3.5125, 0.6129,
0.3871

207.6440, 0.4086,
0.3739

 1.4048, 0.6508,
0.3492

252.6453, 0.4026,

 0.2203, 0.8126,

0.3716

0.1874

303.7197, 0.3973,
0.3695

0.0000, 0.0000,
0.0000

43.6435, 0.4707,
0.3931

43.6435, 0.4707,
0.3931

38.7078, 0.5032,
0.3968

49.3373, 0.4386,
0.3858

34.4859, 0.5339,
0.3957

55.8165, 0.4086,
0.3762


30.9379, 0.5600,
0.3891

63.1153, 0.3815,
0.3655

29.1790, 0.5727,
0.3834

71.2633, 0.3578,
0.3544

80.2886, 0.3372,
0.3435

 90.2180, 0.3195,
0.3332

 98.8779, 0.3090,
0.3290

Harmonies

Analogous

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



43.6435, 0.4615, 0.3341



43.6435, 0.4707, 0.3931



43.6435, 0.4331, 0.4478

Triad

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



43.6435, 0.4707, 0.3931



43.6435, 0.2224, 0.3809



43.6435, 0.2457, 0.2111

Complementary

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



43.6435, 0.4707, 0.3931



43.6535, 0.2164, 0.2449

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.



43.6435, 0.1961, 0.2099



43.6435, 0.4707, 0.3931



43.6435, 0.1831, 0.2954

Square

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



43.6435, 0.4707, 0.3931



43.6435, 0.2889, 0.4566



43.6435, 0.1750, 0.2365



43.6435, 0.3207, 0.2357

Rectangle

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



43.6435, 0.4707, 0.3931



43.6435, 0.3905, 0.4728



43.6435, 0.1750, 0.2365



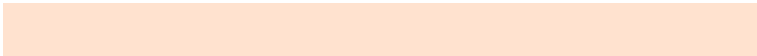
43.6435, 0.2260, 0.2079

Sweetspot

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



43.6457, 0.4707, 0.3931



80.0999, 0.3466, 0.3487



30.7860, 0.3914, 0.2345



16.5676, 0.3526, 0.3518



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.



43.6457, 0.4707, 0.3931



39.5223, 0.5123, 0.3970



79.1322, 0.4114, 0.4650



18.3649, 0.3284, 0.3385



15.8802, 0.5699, 0.3857



1.6719, 0.5481, 0.4030

Inverse Universe

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



43.6535, 0.2164, 0.2449



39.3640, 0.2024, 0.2247



19.0668, 0.1914, 0.1389



18.3752, 0.2980, 0.3193



15.5169, 0.1867, 0.1921



1.6445, 0.1917, 0.2101

Previews

White Background



This preview shows how the Yxy color 43.6435, 0.4707, 0.3931 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 43.6435, 0.4707, 0.3931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

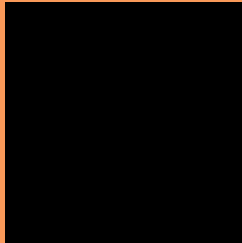
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.6435, 0.4707, 0.3931

Background



This preview shows how black text looks on a background with the Yxy color 43.6435, 0.4707, 0.3931.



This preview shows how white text looks on a background with the Yxy color 43.6435, 0.4707, 0.3931.

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

43.6435, 0.4707, 0.3931

Protanopia

43.9095, 0.3961, 0.4307

Deuteranopia

43.5666, 0.4335, 0.4239



Tritanopia

43.5337, 0.4133, 0.3177

Trichromacy



Original Color

43.6435, 0.4707, 0.3931

Protanomaly

43.2605, 0.4238, 0.4163

Deuteranomaly

43.5243, 0.4470, 0.4132

Tritanomaly

43.5412, 0.4365, 0.3462

Monochromacy



Original Color

43.6435, 0.4707, 0.3931

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.6731, 0.3675, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6435, 0.4707, 0.3931 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(249, 153, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 153, 89) }
```

Border

The CSS property to change the border of an element to Yxy 43.6435, 0.4707, 0.3931 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, 89) }
```

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

```
.border{ border-color:rgb(249, 153, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 153, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 153, 89);  
box-shadow:4px 4px 4px 4px rgb(249, 153,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6435, 0.4707, 0.3931 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, 89) }
```

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

```
.background{ background-color: rgb(249,  
153, 89) }
```

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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