

Converting Colors

$Y_{xy}(42.7785, 0.4690, 0.3972)$

Have a look what the booklet for
Yxy(42.7785, 0.4690, 0.3972)
contains.

Yxy(42.6874, 0.4688, 0.3973)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.6874, 0.4688, 0.3973)

Conversions

Conversions Part 1

Format	Color
Hex	F49956
RGB	244, 153, 86
RGB Percent	96%, 60%, 34%
CMY	0.0433, 0.3999, 0.6628
CMYK	0.00, 0.37, 0.65, 0.04
HSL	25°, 88%, 65%
HSV	25°, 65%, 96%
XYZ	50.3696, 42.6874, 14.3867
YIQ	172.5710, 75.7430, -1.5450

Conversions

Conversions Part 2

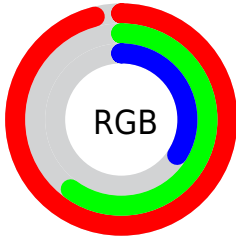
Format	Color
R_{YB}	244, 202, 86
Decimal	16030038
CIE _{Lab}	71.34, 28.14, 48.72
CIE _{LCh}	71, 56.268, 59.988
Yxy	42.6874, 0.4688, 0.3973
Android (android.graphics.Color)	4294220118 (0xFFFF49956)
YUV	172.5710, -42.6795, 62.6432
Hunter-Lab	65.3356, 23.2750, 32.6794

Details

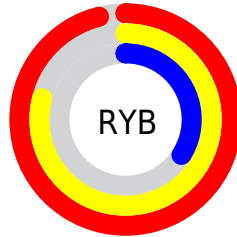
The Yxy color **42.6874, 0.4688, 0.3973** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.9237, 0.2146, 0.2388**, and the grayscale version is **41.7531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2067, 0.4018, 0.4008**, and **19.5020, 0.5089, 0.4051** is the 20% darker color. If you saturate the color by 10%, you get **38.0303, 0.5001, 0.4013**, and if you desaturate by 10%, it is **48.0242, 0.4377, 0.3896**.

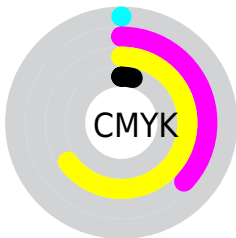
Distribution



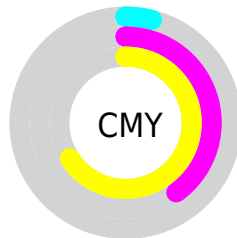
- Red (96%)
- Green (60%)
- Blue (34%)



- Red (96%)
- Yellow (79%)
- Blue (34%)



- Cyan (0%)
- Magenta (37%)
- Yellow (65%)
- Black (4%)



- Cyan (4%)
- Magenta (40%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6874, 0.4688, 0.3973 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 42.6874, 0.4688, 0.3973 by changing the saturation by 10% instead.


 42.6874, 0.4688,
0.3973


 42.6874, 0.4688,
0.3973


357.3246, 0.3915,
0.3695

 29.6399, 0.4867,
0.4015

 79.2389, 0.4415,
0.3891

 19.5654, 0.5085,
0.4053


 103.5118, 0.4310,
0.3854


 12.0796, 0.5349,
0.4072


 132.2952, 0.4219,
0.3821

 6.7979, 0.5704,
0.4073

 165.9735, 0.4142,
0.3791

 3.3360, 0.6065,
0.3935

 204.9313, 0.4074,
0.3763

 1.3096, 0.6437,
0.3563

249.5528, 0.4014,

 0.1486, 0.8479,

0.3738

0.1521

300.2224, 0.3961,
0.3716

0.0000, 0.0000,
0.0000

42.6874, 0.4688,
0.3973

42.6874, 0.4688,
0.3973

38.0303, 0.5001,
0.4013

48.0242, 0.4377,
0.3896

34.0132, 0.5293,
0.4005

54.0641, 0.4085,
0.3795


30.6012, 0.5543,
0.3941


60.8373, 0.3820,
0.3681

29.0319, 0.5656,
0.3891

68.3698, 0.3584,
0.3564

76.6863, 0.3379,
0.3449

 85.8102, 0.3202,
0.3340

 95.6496, 0.3060,
0.3254

 97.9666, 0.3059,
0.3290

Harmonies

Analogous

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



42.6874, 0.4634, 0.3384



42.6874, 0.4688, 0.3973



42.6874, 0.4285, 0.4508

Triad

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



42.6874, 0.4688, 0.3973



42.6874, 0.2188, 0.3741



42.6874, 0.2508, 0.2125

Complementary

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



42.6874, 0.4688, 0.3973



39.9237, 0.2146, 0.2388

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.



42.6874, 0.1991, 0.2095



42.6874, 0.4688, 0.3973



42.6874, 0.1819, 0.2901

Square

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



42.6874, 0.4688, 0.3973



42.6874, 0.2835, 0.4520



42.6874, 0.1760, 0.2338



42.6874, 0.3268, 0.2387

Rectangle

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



42.6874, 0.4688, 0.3973



42.6874, 0.3850, 0.4740



42.6874, 0.1760, 0.2338



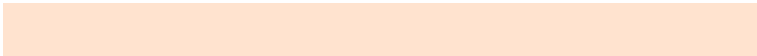
42.6874, 0.2304, 0.2088

Sweetspot

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



42.6896, 0.4688, 0.3973



80.7412, 0.3464, 0.3498



29.1010, 0.3957, 0.2366



16.7216, 0.3523, 0.3531



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.



42.6896, 0.4688, 0.3973



40.4499, 0.5105, 0.4016



76.9379, 0.4102, 0.4676



17.6385, 0.3283, 0.3391



16.0487, 0.5628, 0.3913



1.6096, 0.5407, 0.4089

Inverse Universe

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



39.9237, 0.2146, 0.2388



37.0376, 0.1997, 0.2164



17.4608, 0.1899, 0.1346



17.5110, 0.2980, 0.3187



14.0999, 0.1844, 0.1837



1.4426, 0.1899, 0.2036

Previews

White Background



This preview shows how the Yxy color 42.6874, 0.4688, 0.3973 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 42.6874, 0.4688, 0.3973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

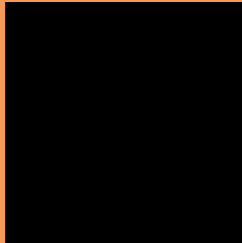
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6874, 0.4688, 0.3973

Background



This preview shows how black text looks on a background with the Yxy color 42.6874, 0.4688, 0.3973.



This preview shows how white text looks on a background with the Yxy color 42.6874, 0.4688, 0.3973.

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

42.6874, 0.4688, 0.3973

Protanopia

42.7877, 0.3984, 0.4338

Deuteranopia

42.8609, 0.4339, 0.4256



Tritanopia

42.7908, 0.4095, 0.3175

Trichromacy



Original Color

42.6874, 0.4688, 0.3973

Protanomaly

42.3727, 0.4248, 0.4204

Deuteranomaly

42.6495, 0.4466, 0.4151

Tritanomaly

42.5927, 0.4329, 0.3476

Monochromacy



Original Color

42.6874, 0.4688, 0.3973

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.3376, 0.3674, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6874, 0.4688, 0.3973 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(244, 153, 86)` looks like.

```
.text, #text, p{  
    color:rgb(244, 153, 86)  
}
```

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(244, 153, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 153, 86) }
```

Border

The CSS property to change the border of an element to Yxy 42.6874, 0.4688, 0.3973 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(244, 153, 86) }
```

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

```
.border{ border-color:rgb(244, 153, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 153, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 153, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 153, 86);  
box-shadow:4px 4px 4px 4px rgb(244, 153,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6874, 0.4688, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 153, 86) }
```

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

```
.background{ background-color: rgb(244,  
153, 86) }
```

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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