

Converting Colors

$Y_{xy}(42.4516, 0.4605, 0.3827)$

Have a look what the booklet for
Yxy(42.4516, 0.4605, 0.3827)
contains.

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Color

Yxy(42.4465, 0.4603, 0.3833)

Conversions

Conversions Part 1

Format	Color
Hex	F59763
RGB	245, 151, 99
RGB Percent	96%, 59%, 39%
CMY	0.0393, 0.4078, 0.6116
CMYK	0.00, 0.38, 0.60, 0.04
HSL	21°, 88%, 67%
HSV	21°, 60%, 96%
XYZ	50.9735, 42.4465, 17.3197
YIQ	173.1780, 72.7160, 3.7560

Conversions

Conversions Part 2

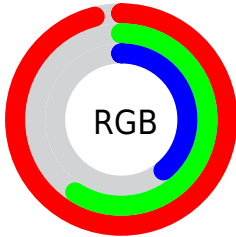
Format	Color
R _{YB}	245, 180, 99
Decimal	16095075
CIE Lab	71.18, 30.46, 41.94
CIE LCh	71, 51.837, 54.007
Yxy	42.4465, 0.4603, 0.3833
Android (android.graphics.Color)	4294285155 (0xFFFF59763)
YUV	173.1780, -36.5698, 62.9879
Hunter-Lab	65.1510, 25.6423, 29.8441

Details

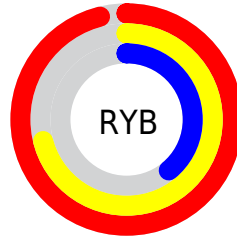
The Yxy color **42.4465, 0.4603, 0.3833** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.3932, 0.2243, 0.2612**, and the grayscale version is **42.0501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6370, 0.3932, 0.3860**, and **19.3443, 0.5002, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **37.3060, 0.4950, 0.3879**, and if you desaturate by 10%, it is **48.4129, 0.4273, 0.3758**.

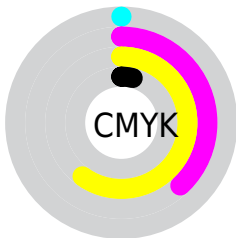
Distribution



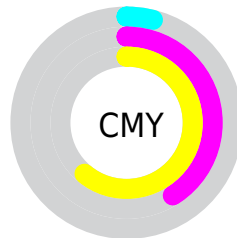
- Red (96%)
- Green (59%)
- Blue (39%)



- Red (96%)
- Yellow (71%)
- Blue (39%)



- Cyan (0%)
- Magenta (38%)
- Yellow (60%)
- Black (4%)





- Cyan (4%)
- Magenta (41%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4465, 0.4603, 0.3833 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 42.4465, 0.4603, 0.3833 by changing the saturation by 10% instead.


 42.4465, 0.4603,
0.3833

 42.4465, 0.4603,
0.3833

356.3305, 0.3861,
0.3613


 29.4511, 0.4781,
0.3867

 78.8749, 0.4337,
0.3768


 19.4223, 0.5001,
0.3898


 103.0767, 0.4236,
0.3739

 11.9758, 0.5277,
0.3914


 131.7828, 0.4150,
0.3712

 6.7272, 0.5627,
0.3895

 165.3775, 0.4076,
0.3688

 3.2921, 0.6157,
0.3843

204.2452, 0.4012,
0.3667

 1.2861, 0.6554,
0.3446

248.7703, 0.3955,

 0.1304, 0.8694,

0.3647

0.1306

299.3373, 0.3906,
0.3629

0.0000, 0.0000,
0.0000

42.4465, 0.4603,
0.3833

42.4465, 0.4603,
0.3833

37.3060, 0.4950,
0.3879

48.4129, 0.4273,
0.3758

32.9448, 0.5290,
0.3883

55.2355, 0.3973,
0.3667

29.3206, 0.5594,
0.3836

62.9511, 0.3709,
0.3569

26.3777, 0.5838,
0.3743

71.5919, 0.3481,
0.3471

26.2659, 0.5848,
0.3739

81.1887, 0.3286,
0.3376

91.7706, 0.3121,
0.3286

98.1504, 0.3066,
0.3290

Harmonies

Analogous

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



42.4465, 0.4451, 0.3280



42.4465, 0.4603, 0.3833



42.4465, 0.4312, 0.4346

Triad

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



42.4465, 0.4603, 0.3833



42.4465, 0.2361, 0.3867



42.4465, 0.2436, 0.2176

Complementary

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



42.4465, 0.4603, 0.3833



47.3932, 0.2243, 0.2612

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.



42.4465, 0.2001, 0.2199



42.4465, 0.4603, 0.3833



42.4465, 0.1953, 0.3078

Square

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



42.4465, 0.4603, 0.3833



42.4465, 0.3004, 0.4508



42.4465, 0.1837, 0.2490



42.4465, 0.3109, 0.2381

Rectangle

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



42.4465, 0.4603, 0.3833



42.4465, 0.3939, 0.4589



42.4465, 0.1837, 0.2490



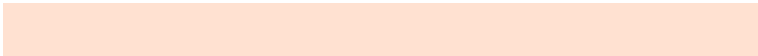
42.4465, 0.2262, 0.2156

Sweetspot

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



42.4487, 0.4603, 0.3833



79.9598, 0.3449, 0.3456



32.2320, 0.3742, 0.2326



16.4911, 0.3511, 0.3484



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.



42.4487, 0.4603, 0.3833



40.0521, 0.5004, 0.3883



73.1386, 0.4096, 0.4518



17.4481, 0.3285, 0.3375



14.3881, 0.5818, 0.3762



1.4513, 0.5579, 0.3952

Inverse Universe

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



47.3932, 0.2243, 0.2612



45.7298, 0.2113, 0.2452



22.9043, 0.2023, 0.1628



17.7069, 0.2980, 0.3204



16.9512, 0.1911, 0.2079



1.6834, 0.1958, 0.2248

Previews

White Background



This preview shows how the Yxy color 42.4465, 0.4603, 0.3833 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 42.4465, 0.4603, 0.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

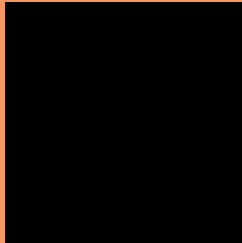
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4465, 0.4603, 0.3833

Background



This preview shows how black text looks on a background with the Yxy color 42.4465, 0.4603, 0.3833.



This preview shows how white text looks on a background with the Yxy color 42.4465, 0.4603, 0.3833.

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

42.4465, 0.4603, 0.3833

Protanopia

42.8190, 0.3848, 0.4169

Deuteranopia

42.7781, 0.4220, 0.4135



Tritanopia

42.4528, 0.4110, 0.3175

Trichromacy



Original Color

42.4465, 0.4603, 0.3833

Protanomaly

42.1412, 0.4123, 0.4036

Deuteranomaly

42.3604, 0.4361, 0.4020

Tritanomaly

42.5732, 0.4302, 0.3422

Monochromacy



Original Color

42.4465, 0.4603, 0.3833

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.1277, 0.3630, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4465, 0.4603, 0.3833 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(245, 151, 99)` looks like.

```
.text, #text, p{  
    color:rgb(245, 151, 99)  
}
```

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(245, 151, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 151, 99) }
```

Border

The CSS property to change the border of an element to Yxy 42.4465, 0.4603, 0.3833 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(245, 151, 99) }
```

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

```
.border{ border-color:rgb(245, 151, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 151, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 151, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 151, 99);  
box-shadow:4px 4px 4px 4px rgb(245, 151,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4465, 0.4603, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 151, 99) }
```

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

```
.background{ background-color: rgb(245,  
151, 99) }
```

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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