

Converting Colors

$Y_{xy}(46.3496, 0.4374, 0.3847)$

Have a look what the booklet for
Yxy(46.3496, 0.4374, 0.3847)
contains.

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Color

Yxy(46.2415, 0.4373, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	F2A370
RGB	242, 163, 112
RGB Percent	95%, 64%, 44%
CMY	0.0511, 0.3607, 0.5607
CMYK	0.00, 0.33, 0.54, 0.05
HSL	24°, 83%, 69%
HSV	24°, 54%, 95%
XYZ	52.6325, 46.2415, 21.4839
YIQ	180.8070, 63.4550, 0.8870

Conversions

Conversions Part 2

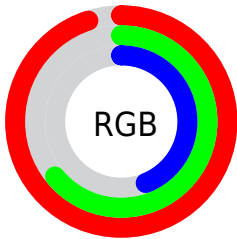
Format	Color
R _Y B	242, 196, 112
Decimal	15901552
CIE Lab	73.70, 23.94, 38.22
CIE LCh	74, 45.104, 57.937
Yxy	46.2415, 0.4373, 0.3842
Android (android.graphics.Color)	4294091632 (0xFFFF2A370)
YUV	180.8070, -33.9219, 53.6663
Hunter-Lab	68.0011, 19.1562, 28.8690

Details

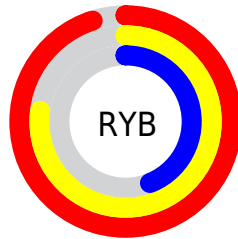
The Yxy color **46.2415, 0.4373, 0.3842** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.0989, 0.2305, 0.2627**, and the grayscale version is **46.2615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1194, 0.3782, 0.3835**, and **21.6728, 0.4698, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **40.8542, 0.4696, 0.3915**, and if you desaturate by 10%, it is **52.3850, 0.4072, 0.3747**.

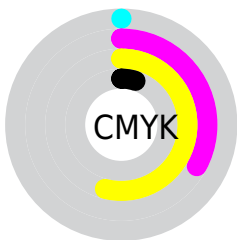
Distribution



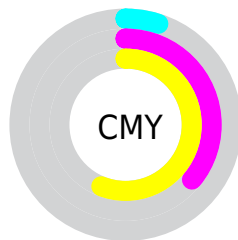
- Red (95%)
- Green (64%)
- Blue (44%)



- Red (95%)
- Yellow (77%)
- Blue (44%)



- Cyan (0%)
- Magenta (33%)
- Yellow (54%)
- Black (5%)





- Cyan (5%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2415, 0.4373, 0.3842 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 46.2415, 0.4373, 0.3842 by changing the saturation by 10% instead.

 46.2415, 0.4373,
0.3842


 46.2415, 0.4373,
0.3842


371.7787, 0.3753,
0.3604

 32.4364, 0.4522,
0.3887


 84.5803, 0.4151,
0.3766


 21.6951, 0.4707,
0.3935


 109.8828, 0.4067,
0.3734

 13.6330, 0.4942,
0.3981


 139.7867, 0.3995,
0.3706

 7.8659, 0.5243,
0.4014

 174.6761, 0.3933,
0.3681

 4.0092, 0.5737,
0.4075

214.9357, 0.3879,
0.3658

 1.6787, 0.6139,
0.3861

260.9497, 0.3832,

 0.4098, 0.7054,

0.3638

0.2946

313.1026, 0.3790,
0.3620

■ 0.0000, 0.0000,
0.0000

■ 46.2415, 0.4373,
0.3842

■ 46.2415, 0.4373,
0.3842

■ 40.8542, 0.4696,
0.3915

■ 52.3850, 0.4072,
0.3747

■ 36.1835, 0.5025,
0.3953

■ 59.3081, 0.3803,
0.3642

■ 32.1963, 0.5337,
0.3944

■ 67.0415, 0.3566,
0.3533

■ 28.8525, 0.5604,
0.3880

■ 75.6119, 0.3361,
0.3427

■ 27.0515, 0.5746,
0.3819

■ 85.0448, 0.3186,
0.3326

■ 95.2225, 0.3048,
0.3253

■ 97.6118, 0.3047,
0.3290

Harmonies

Analogous

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



46.2415, 0.4286, 0.3360



46.2415, 0.4373, 0.3842



46.2415, 0.4096, 0.4256

Triad

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



46.2415, 0.4373, 0.3842



46.2415, 0.2418, 0.3690



46.2415, 0.2605, 0.2336

Complementary

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



46.2415, 0.4373, 0.3842



47.0989, 0.2305, 0.2627

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.



46.2415, 0.2191, 0.2334



46.2415, 0.4373, 0.3842



46.2415, 0.2088, 0.3044

Square

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



46.2415, 0.4373, 0.3842



46.2415, 0.2956, 0.4250



46.2415, 0.2013, 0.2566



46.2415, 0.3202, 0.2539

Rectangle

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



46.2415, 0.4373, 0.3842



46.2415, 0.3764, 0.4420



46.2415, 0.2013, 0.2566



46.2415, 0.2442, 0.2311

Sweetspot

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



46.2438, 0.4373, 0.3842



82.8382, 0.3406, 0.3451



34.2754, 0.3708, 0.2447



17.2973, 0.3447, 0.3473



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.



46.2438, 0.4373, 0.3842



45.7581, 0.4711, 0.3918



74.8748, 0.3983, 0.4455



16.7765, 0.3283, 0.3383



14.7840, 0.5717, 0.3843



1.4182, 0.5474, 0.4036

Inverse Universe

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



47.0989, 0.2305, 0.2627



46.7219, 0.2170, 0.2469



25.0783, 0.2126, 0.1758



16.8269, 0.2980, 0.3195



14.9302, 0.1875, 0.1951



1.4352, 0.1929, 0.2146

Previews

White Background



This preview shows how the Yxy color 46.2415, 0.4373, 0.3842 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 46.2415, 0.4373, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

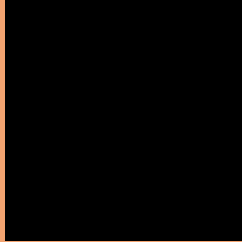
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2415, 0.4373, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 46.2415, 0.4373, 0.3842.



This preview shows how white text looks on a background with the Yxy color 46.2415, 0.4373, 0.3842.

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

46.2415, 0.4373, 0.3842

Protanopia

46.2500, 0.3786, 0.4084

Deuteranopia

46.2286, 0.4122, 0.4031



Tritanopia

46.1969, 0.3898, 0.3162

Trichromacy



Original Color

46.2415, 0.4373, 0.3842

Protanomaly

45.6792, 0.3999, 0.3995

Deuteranomaly

46.0176, 0.4214, 0.3953

Tritanomaly

46.3469, 0.4080, 0.3413

Monochromacy



Original Color

46.2415, 0.4373, 0.3842

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.3689, 0.3550, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2415, 0.4373, 0.3842 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(242, 163, 112)` looks like.

```
.text, #text, p{  
    color:rgb(242, 163, 112)  
}
```

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(242, 163, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 163, 112) }
```

Border

The CSS property to change the border of an element to Yxy 46.2415, 0.4373, 0.3842 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(242, 163, 112) }
```

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

```
.border{ border-color:rgb(242, 163, 112) }
```

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

Here you see how a box with a 4 pixel rgb(242, 163, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 163, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 163, 112);  
box-shadow:4px 4px 4px 4px rgb(242, 163,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2415, 0.4373, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 163, 112) }
```

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

```
.background{ background-color: rgb(242,  
163, 112) }
```

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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