

Converting Colors

$Yxy(41.9615, 0.3501, 0.4341)$

Have a look what the booklet for
Yxy(41.9615, 0.3501, 0.4341)
contains.

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Color

Yxy(41.9310, 0.3501, 0.4345)

Conversions

Conversions Part 1

Format	Color
Hex	9FB66D
RGB	159, 182, 109
RGB Percent	62%, 71%, 43%
CMY	0.3765, 0.2863, 0.5725
CMYK	0.13, 0.00, 0.40, 0.29
HSL	79°, 33%, 57%
HSV	79°, 40%, 71%
XYZ	33.7861, 41.9310, 20.7870
YIQ	166.8010, 9.7250, -27.5790

Conversions

Conversions Part 2

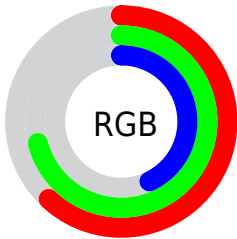
Format	Color
RYB	109, 182, 132
Decimal	10466925
CIELab	70.82, -20.05, 34.53
CIELCh	71, 39.932, 120.137
Yxy	41.9310, 0.3501, 0.4345
Android (android.graphics.Color)	4288657005 (0xFF9FB66D)
YUV	166.8010, -28.4959, -6.8415
Hunter-Lab	64.7542, -20.1858, 26.2950

Details

The Yxy color **41.9310, 0.3501, 0.4345** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.2286, 0.2622, 0.2151**, and the grayscale version is **38.6805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1694, 0.3449, 0.4145**, and **19.0909, 0.3573, 0.4669** is the 20% darker color. If you saturate the color by 10%, you get **41.0073, 0.3576, 0.4613**, and if you desaturate by 10%, it is **42.9668, 0.3414, 0.4071**.

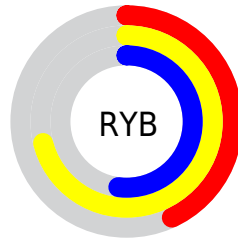
Distribution



Red (62%)

Green (71%)

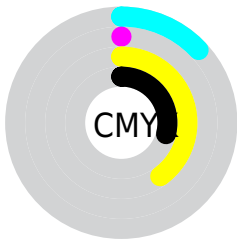
Blue (43%)



Red (43%)

Yellow (71%)

Blue (52%)

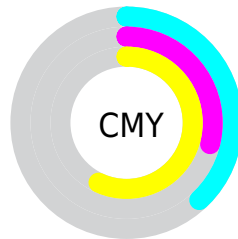


Cyan (13%)

Magenta (0%)

Yellow (40%)

Black (29%)



Cyan (38%)


Magenta (29%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9310, 0.3501, 0.4345 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 41.9310, 0.3501, 0.4345 by changing the saturation by 10% instead.


 41.9310, 0.3501,
0.4345

 41.9310, 0.3501,
0.4345


354.1968, 0.3328,
0.3793

 29.0473, 0.3537,
0.4488


 78.0952, 0.3443,
0.4140


 19.1166, 0.3578,
0.4674


 102.1444, 0.3419,
0.4064

 11.7545, 0.3622,
0.4923


 130.6843, 0.3399,
0.4000

 6.5768, 0.3658,
0.5267


 164.0992, 0.3381,
0.3946

 3.1989, 0.3810,
0.6010

202.7735, 0.3365,
0.3900

 1.2364, 0.3444,
0.6556

247.0916, 0.3351,

 0.0911, 0.0000,

0.3859

1.0000

297.4379, 0.3339,
0.3824

■ 0.0000, 0.0000,
0.0000

■ 41.9310, 0.3501,
0.4345

■ 41.9310, 0.3501,
0.4345

■ 41.0073, 0.3576,
0.4613

■ 42.9668, 0.3414,
0.4071

■ 40.1848, 0.3636,
0.4863

■ 44.1142, 0.3320,
0.3799

■ 39.4593, 0.3674,
0.5083

■ 45.3795, 0.3224,
0.3538

■ 38.8240, 0.3688,
0.5262

■ 46.7672, 0.3128,
0.3292

■ 38.2711, 0.3677,
0.5394

■ 48.2813, 0.3035,
0.3064

 37.7890, 0.3648,
0.5486

 49.9257, 0.2946,
0.2855

 51.7041, 0.2863,
0.2666

 53.6200, 0.2785,
0.2494

 54.4747, 0.2824,
0.2500

Harmonies

Analogous

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



41.9310, 0.3992, 0.4203



41.9310, 0.3501, 0.4345



41.9310, 0.2935, 0.4132

Triad

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



41.9310, 0.3501, 0.4345



41.9310, 0.2101, 0.2604



41.9310, 0.3817, 0.2963

Complementary

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



41.9310, 0.3501, 0.4345



19.2286, 0.2622, 0.2151

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.



41.9310, 0.3243, 0.2616



41.9310, 0.3501, 0.4345



41.9310, 0.2284, 0.2401

Square

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



41.9310, 0.3501, 0.4345



41.9310, 0.2155, 0.3032



41.9310, 0.2684, 0.2415



41.9310, 0.4204, 0.3394

Rectangle

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



41.9310, 0.3501, 0.4345



41.9310, 0.2592, 0.3806



41.9310, 0.2684, 0.2415



41.9310, 0.3636, 0.2835

Sweetspot

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



41.9329, 0.3501, 0.4345



81.7663, 0.3244, 0.3592



27.2611, 0.3991, 0.3607



17.9926, 0.3257, 0.3626



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.9329, 0.3501, 0.4345



74.5461, 0.3568, 0.4579



38.8196, 0.3187, 0.4458



10.3575, 0.3217, 0.3519



26.7210, 0.3654, 0.5481



0.9734, 0.3798, 0.5366

Inverse Universe

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



19.2286, 0.2622, 0.2151



27.7609, 0.2481, 0.1873



22.5802, 0.3007, 0.2268



8.8532, 0.3032, 0.3057



3.0393, 0.1733, 0.0728



0.1412, 0.2039, 0.0897

Previews

White Background



This preview shows how the Yxy color 41.9310, 0.3501, 0.4345 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 41.9310, 0.3501, 0.4345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

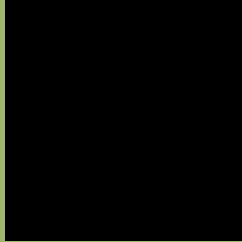
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9310, 0.3501, 0.4345

Background



This preview shows how black text looks on a background with the Yxy color 41.9310, 0.3501, 0.4345.



This preview shows how white text looks on a background with the Yxy color 41.9310, 0.3501, 0.4345.

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

41.9310, 0.3501, 0.4345

Protanopia

41.7466, 0.3855, 0.4177

Deuteranopia

41.5124, 0.4029, 0.3940



Tritanopia

41.8673, 0.2988, 0.3114

Trichromacy



Original Color

41.9310, 0.3501, 0.4345

Protanomaly

41.5772, 0.3724, 0.4237

Deuteranomaly

41.2428, 0.3826, 0.4075

Tritanomaly

41.5186, 0.3177, 0.3545

Monochromacy



Original Color

41.9310, 0.3501, 0.4345

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.4729, 0.3274, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9310, 0.3501, 0.4345 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(159, 182, 109)` looks like.

```
.text, #text, p{  
    color:rgb(159, 182, 109)  
}
```

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(159, 182, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 182, 109) }
```

Border

The CSS property to change the border of an element to Yxy 41.9310, 0.3501, 0.4345 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(159, 182, 109) }
```

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

```
.border{ border-color:rgb(159, 182, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 182, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 182, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 182, 109);  
box-shadow:4px 4px 4px 4px rgb(159, 182,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9310, 0.3501, 0.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 182, 109) }
```

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

```
.background{ background-color: rgb(159,  
182, 109) }
```

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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