

Converting Colors

$Yxy(42.7695, 0.3337, 0.4235)$

Have a look what the booklet for
Yxy(42.7695, 0.3337, 0.4235)
contains.

Yxy(42.7538, 0.3339, 0.4230)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.7538, 0.3339, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	98B979
RGB	152, 185, 121
RGB Percent	60%, 73%, 47%
CMY	0.4040, 0.2745, 0.5254
CMYK	0.18, 0.00, 0.35, 0.27
HSL	91°, 31%, 60%
HSV	91°, 35%, 73%
XYZ	33.7482, 42.7538, 24.5708
YIQ	167.8370, 0.8760, -26.9000

Conversions

Conversions Part 2

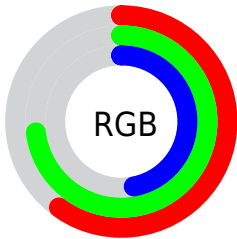
Format	Color
RYB	121, 185, 154
Decimal	10008953
CIELab	71.39, -22.61, 28.90
CIElCh	71, 36.699, 128.037
Yxy	42.7538, 0.3339, 0.4230
Android (android.graphics.Color)	4288199033 (0xFF98B979)
YUV	167.8370, -23.0906, -13.8890
Hunter-Lab	65.3864, -22.2961, 23.4906

Details

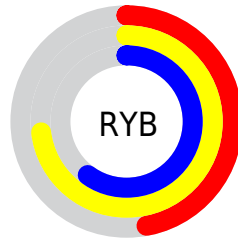
The Yxy color **42.7538, 0.3339, 0.4230** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.0590, 0.2836, 0.2358**, and the grayscale version is **39.1894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2320, 0.3308, 0.4043**, and **19.6668, 0.3382, 0.4542** is the 20% darker color. If you saturate the color by 10%, you get **41.4598, 0.3387, 0.4529**, and if you desaturate by 10%, it is **44.2127, 0.3282, 0.3937**.

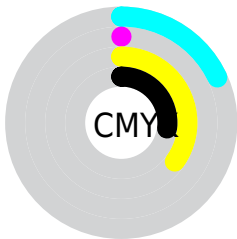
Distribution



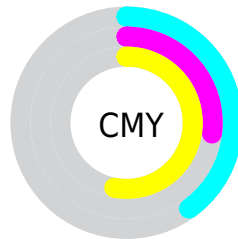
- Red (60%)
- Green (73%)
- Blue (47%)



- Red (47%)
- Yellow (73%)
- Blue (60%)



- Cyan (18%)
- Magenta (0%)
- Yellow (35%)
- Black (27%)




- Cyan (40%)
- Magenta (27%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7538, 0.3339, 0.4230 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 42.7538, 0.3339, 0.4230 by changing the saturation by 10% instead.


 42.7538, 0.3339,
0.4230


 42.7538, 0.3339,
0.4230


357.5983, 0.3245,
0.3736

 29.6920, 0.3357,
0.4360


 79.3392, 0.3308,
0.4045

 19.6049, 0.3377,
0.4531


 103.6316, 0.3296,
0.3977

 12.1082, 0.3396,
0.4764


 132.4363, 0.3284,
0.3920

 6.8174, 0.3407,
0.5096

166.1377, 0.3275,
0.3872

 3.3482, 0.3411,
0.5649

205.1202, 0.3266,
0.3831

 1.3161, 0.3293,
0.6707

249.7682, 0.3258,

 0.1536, 0.0000,

0.3795

1.0000

300.4661, 0.3251,
0.3763

0.0000, 0.0000,
0.0000

42.7538, 0.3339,
0.4230

42.7538, 0.3339,
0.4230

41.4598, 0.3387,
0.4529

44.2127, 0.3282,
0.3937

40.3185, 0.3422,
0.4823

45.8373, 0.3220,
0.3659

39.3244, 0.3440,
0.5098


47.6353, 0.3156,
0.3401


38.4694, 0.3438,
0.5339


49.6122, 0.3093,
0.3165


37.7445, 0.3415,
0.5531

51.7735, 0.3031,
0.2951

 37.1391, 0.3372,
0.5668

 54.1241, 0.2972,
0.2759

 36.8503, 0.3344,
0.5727

 56.6689, 0.2916,
0.2588

 58.4756, 0.2957,
0.2561

 60.0841, 0.3029,
0.2577

Harmonies

Analogous

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



42.7538, 0.3820, 0.4188



42.7538, 0.3339, 0.4230



42.7538, 0.2824, 0.3948

Triad

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



42.7538, 0.3339, 0.4230



42.7538, 0.2205, 0.2593



42.7538, 0.3874, 0.3092

Complementary

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



42.7538, 0.3339, 0.4230



24.0590, 0.2836, 0.2358

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.



42.7538, 0.3379, 0.2742



42.7538, 0.3339, 0.4230



42.7538, 0.2431, 0.2456

Square

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



42.7538, 0.3339, 0.4230



42.7538, 0.2197, 0.2937



42.7538, 0.2848, 0.2515



42.7538, 0.4156, 0.3503

Rectangle

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



42.7538, 0.3339, 0.4230



42.7538, 0.2532, 0.3622



42.7538, 0.2848, 0.2515



42.7538, 0.3725, 0.2965

Sweetspot

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



42.7557, 0.3339, 0.4230



83.4720, 0.3192, 0.3543



34.4841, 0.3778, 0.3738



17.8993, 0.3201, 0.3579



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.



42.7557, 0.3339, 0.4230



74.8954, 0.3374, 0.4442



40.1486, 0.3079, 0.4309



10.2676, 0.3187, 0.3521



25.1329, 0.3353, 0.5719



0.9229, 0.3558, 0.5557

Inverse Universe

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



24.0590, 0.2836, 0.2358



36.6736, 0.2759, 0.2151



27.4994, 0.3167, 0.2446



8.9412, 0.3063, 0.3059



4.1028, 0.2068, 0.0913



0.1813, 0.2352, 0.1069

Previews

White Background



This preview shows how the Yxy color 42.7538, 0.3339, 0.4230 looks on a white background.

Color Contrast Check

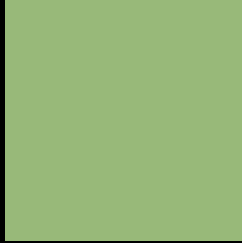
Large Text (above 18pt) WCAG AA × Fail

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 42.7538, 0.3339, 0.4230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

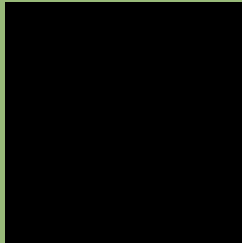
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7538, 0.3339, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 42.7538, 0.3339, 0.4230.



This preview shows how white text looks on a background with the Yxy color 42.7538, 0.3339, 0.4230.

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

42.7538, 0.3339, 0.4230

Protanopia

42.3753, 0.3759, 0.4049

Deuteranopia

42.3835, 0.3899, 0.3820



Tritanopia

42.4498, 0.2900, 0.3099

Trichromacy



Original Color

42.7538, 0.3339, 0.4230

Protanomaly

42.3789, 0.3607, 0.4121

Deuteranomaly

42.2921, 0.3679, 0.3963

Tritanomaly

42.2259, 0.3058, 0.3489

Monochromacy



Original Color

42.7538, 0.3339, 0.4230

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.1879, 0.3210, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7538, 0.3339, 0.4230 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(152, 185, 121)` looks like.

```
.text, #text, p{  
    color:rgb(152, 185, 121)  
}
```

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(152, 185, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 185, 121) }
```

Border

The CSS property to change the border of an element to Yxy 42.7538, 0.3339, 0.4230 is called "border". The border property can be set on classes, ids or directly on the HTML element.

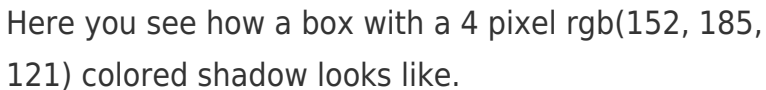
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 185, 121) }
```

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

```
.border{ border-color:rgb(152, 185, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 185, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 185, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 185, 121);  
box-shadow:4px 4px 4px 4px rgb(152, 185,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7538, 0.3339, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 185, 121) }
```

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

```
.background{ background-color: rgb(152,  
185, 121) }
```

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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