

Converting Colors

$Yxy(45.1004, 0.3318, 0.4348)$

Have a look what the booklet for
Yxy(45.1004, 0.3318, 0.4348)
contains.

Yxy(44.9831, 0.3314, 0.4339)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.9831, 0.3314, 0.4339)

Conversions

Conversions Part 1

Format	Color
Hex	95BF77
RGB	149, 191, 119
RGB Percent	58%, 75%, 47%
CMY	0.4157, 0.2510, 0.5332
CMYK	0.22, 0.00, 0.38, 0.25
HSL	95°, 36%, 61%
HSV	95°, 38%, 75%
XYZ	34.3568, 44.9831, 24.3317
YIQ	170.2340, -1.9200, -31.2960

Conversions

Conversions Part 2

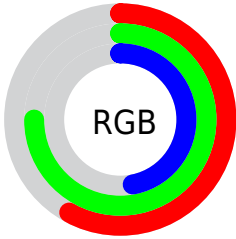
Format	Color
RYB	119, 191, 161
Decimal	9813879
CIELab	72.88, -26.93, 31.88
CIELCh	73, 41.731, 130.196
Yxy	44.9831, 0.3314, 0.4339
Android (android.graphics.Color)	4288003959 (0xFF95BF77)
YUV	170.2340, -25.2584, -18.6222
Hunter-Lab	67.0694, -25.9337, 25.4391

Details

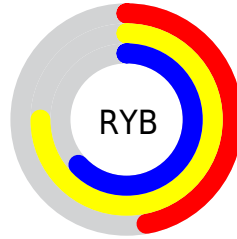
The Yxy color **44.9831, 0.3314, 0.4339** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.5405, 0.2852, 0.2280**, and the grayscale version is **40.4528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9507, 0.3289, 0.4139**, and **20.8624, 0.3346, 0.4669** is the 20% darker color. If you saturate the color by 10%, you get **43.5725, 0.3348, 0.4648**, and if you desaturate by 10%, it is **46.5901, 0.3271, 0.4036**.

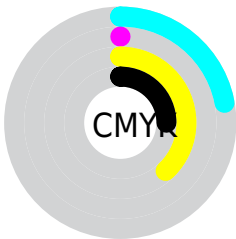
Distribution



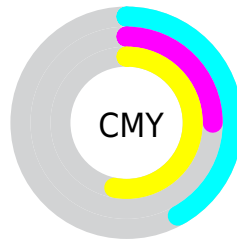
- Red (58%)
- Green (75%)
- Blue (47%)



- Red (47%)
- Yellow (75%)
- Blue (63%)



- Cyan (22%)
- Magenta (0%)
- Yellow (38%)
- Black (25%)





- Cyan (42%)
- Magenta (25%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9831, 0.3314, 0.4339 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 44.9831, 0.3314, 0.4339 by changing the saturation by 10% instead.


 44.9831, 0.3314,
0.4339

 44.9831, 0.3314,
0.4339


366.7051, 0.3237,
0.3789

 31.4441, 0.3326,
0.4483


 82.6951, 0.3291,
0.4134

 20.9373, 0.3338,
0.4671


 107.6368, 0.3280,
0.4058

 13.0782, 0.3343,
0.4925


 137.1483, 0.3271,
0.3995

 7.4824, 0.3332,
0.5285

171.6138, 0.3263,
0.3941

 3.7656, 0.3300,
0.5874

211.4179, 0.3255,
0.3895

 1.5433, 0.3114,
0.6886

256.9449, 0.3249,

 0.3189, 0.0000,

0.3855

1.0000

308.5792, 0.3243,
0.3820

■ 0.0000, 0.0000,
0.0000

■ 44.9831, 0.3314,
0.4339

■ 44.9831, 0.3314,
0.4339

■ 43.5725, 0.3348,
0.4648

■ 46.5901, 0.3271,
0.4036

■ 42.3442, 0.3368,
0.4949

■ 48.3955, 0.3221,
0.3748

■ 41.2910, 0.3371,
0.5226

■ 50.4086, 0.3168,
0.3480


■ 40.4029, 0.3356,
0.5463


■ 52.6361, 0.3115,
0.3236

■ 39.6684, 0.3321,
0.5645

■ 55.0849, 0.3062,
0.3015

 39.0722, 0.3270,
0.5770

 57.7610, 0.3011,
0.2819

 38.9488, 0.3259,
0.5795

 60.6705, 0.2963,
0.2644

 62.6875, 0.3030,
0.2638

 64.6784, 0.3114,
0.2655

Harmonies

Analogous

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



44.9831, 0.3858, 0.4304



44.9831, 0.3314, 0.4339



44.9831, 0.2747, 0.3997

Triad

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



44.9831, 0.3314, 0.4339



44.9831, 0.2119, 0.2495



44.9831, 0.3995, 0.3097

Complementary

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



44.9831, 0.3314, 0.4339



24.5405, 0.2852, 0.2280

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.



44.9831, 0.3449, 0.2708



44.9831, 0.3314, 0.4339



44.9831, 0.2381, 0.2366

Square

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



44.9831, 0.3314, 0.4339



44.9831, 0.2091, 0.2855



44.9831, 0.2853, 0.2448



44.9831, 0.4287, 0.3549

Rectangle

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



44.9831, 0.3314, 0.4339



44.9831, 0.2433, 0.3617



44.9831, 0.2853, 0.2448



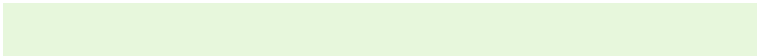
44.9831, 0.3833, 0.2957

Sweetspot

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



44.9851, 0.3314, 0.4339



88.9786, 0.3187, 0.3571



37.9029, 0.3823, 0.3857



19.4293, 0.3194, 0.3607



97.7402, 0.3127, 0.3290



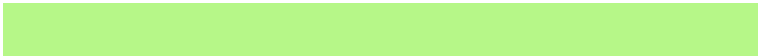
20.4902, 0.3127, 0.3290

Same Dimension

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



44.9851, 0.3314, 0.4339



78.5091, 0.3342, 0.4587



42.6674, 0.3035, 0.4324



10.8385, 0.3177, 0.3523



25.6410, 0.3268, 0.5787



1.0429, 0.3465, 0.5630

Inverse Universe

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



24.5405, 0.2852, 0.2280



36.7731, 0.2774, 0.2051



27.7791, 0.3233, 0.2438



9.4929, 0.3073, 0.3059



4.7601, 0.2206, 0.0989



0.2240, 0.2445, 0.1121

Previews

White Background



This preview shows how the Yxy color 44.9831, 0.3314, 0.4339 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 44.9831, 0.3314, 0.4339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

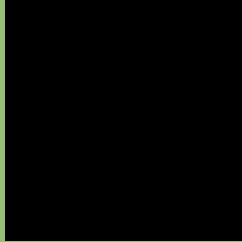
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9831, 0.3314, 0.4339

Background



This preview shows how black text looks on a background with the Yxy color 44.9831, 0.3314, 0.4339.



This preview shows how white text looks on a background with the Yxy color 44.9831, 0.3314, 0.4339.

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

44.9831, 0.3314, 0.4339

Protanopia

44.5250, 0.3813, 0.4120

Deuteranopia

44.7272, 0.3946, 0.3867



Tritanopia

45.0185, 0.2852, 0.3102

Trichromacy



Original Color

44.9831, 0.3314, 0.4339

Protanomaly

44.5929, 0.3622, 0.4201

Deuteranomaly

44.1931, 0.3709, 0.4030

Tritanomaly

44.6932, 0.3025, 0.3528

Monochromacy



Original Color

44.9831, 0.3314, 0.4339

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.7565, 0.3205, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9831, 0.3314, 0.4339 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(149, 191, 119)` looks like.

```
.text, #text, p{  
    color:rgb(149, 191, 119)  
}
```

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(149, 191, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 191, 119) }
```

Border

The CSS property to change the border of an element to Yxy 44.9831, 0.3314, 0.4339 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(149, 191, 119) }
```

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

```
.border{ border-color:rgb(149, 191, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 191, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 191, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 191, 119);  
box-shadow:4px 4px 4px 4px rgb(149, 191,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9831, 0.3314, 0.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 191, 119) }
```

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

```
.background{ background-color: rgb(149,  
191, 119) }
```

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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