

Converting Colors

$Yxy(44.8939, 0.3397, 0.3997)$

Have a look what the booklet for
Yxy(44.8939, 0.3397, 0.3997)
contains.

Yxy(44.9652, 0.3401, 0.4000)	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(44.9652, 0.3401, 0.4000)

Conversions

Conversions Part 1

Format	Color
Hex	AAB986
RGB	170, 185, 134
RGB Percent	67%, 73%, 53%
CMY	0.3333, 0.2745, 0.4745
CMYK	0.08, 0.00, 0.28, 0.27
HSL	78°, 27%, 63%
HSV	78°, 28%, 73%
XYZ	38.2317, 44.9652, 29.2161
YIQ	174.7010, 7.4310, -19.0410

Conversions

Conversions Part 2

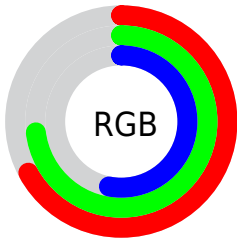
Format	Color
RYB	134, 185, 149
Decimal	11188614
CIELab	72.87, -13.97, 24.22
CIElCh	73, 27.962, 119.966
Yxy	44.9652, 0.3401, 0.4000
Android (android.graphics.Color)	4289378694 (0xFFAAB986)
YUV	174.7010, -20.0656, -4.1228
Hunter-Lab	67.0561, -15.5774, 21.1068

Details

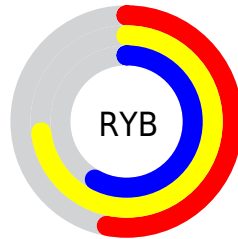
The Yxy color **44.9652, 0.3401, 0.4000** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.9396, 0.2795, 0.2538**, and the grayscale version is **42.8117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7102, 0.3354, 0.3858**, and **20.9245, 0.3463, 0.4216** is the 20% darker color. If you saturate the color by 10%, you get **43.9019, 0.3494, 0.4272**, and if you desaturate by 10%, it is **46.1478, 0.3302, 0.3732**.

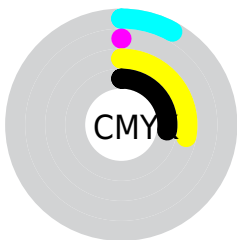
Distribution



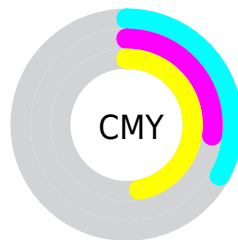
- Red (67%)
- Green (73%)
- Blue (53%)



- Red (53%)
- Yellow (73%)
- Blue (58%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)





- Cyan (33%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9652, 0.3401, 0.4000 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 44.9652, 0.3401, 0.4000 by changing the saturation by 10% instead.

 44.9652, 0.3401,
0.4000

 44.9652, 0.3401,
0.4000


366.6326, 0.3270,
0.3634


 31.4300, 0.3431,
0.4094


 82.6682, 0.3355,
0.3865

 20.9265, 0.3468,
0.4216


 107.6048, 0.3337,
0.3815

 13.0703, 0.3514,
0.4381

 137.1106, 0.3322,
0.3773

 7.4770, 0.3569,
0.4614

171.5701, 0.3309,
0.3737

 3.7621, 0.3632,
0.4962

211.3677, 0.3297,
0.3706

 1.5414, 0.3994,
0.6006

256.8877, 0.3287,

 0.3176, 0.0000,

0.3679

1.0000

308.5145, 0.3278,
0.3655

0.0000, 0.0000,
0.0000

44.9652, 0.3401,
0.4000

44.9652, 0.3401,
0.4000

43.9019, 0.3494,
0.4272

46.1478, 0.3302,
0.3732

42.9470, 0.3577,
0.4540

47.4484, 0.3202,
0.3475

42.0970, 0.3644,
0.4792

48.8734, 0.3103,
0.3233

41.3460, 0.3692,
0.5016

50.4269, 0.3008,
0.3009

40.6871, 0.3715,
0.5202

52.1129, 0.2918,
0.2804

■ 40.1126, 0.3714,
0.5342

■ 53.9350, 0.2833,
0.2618

■ 39.6111, 0.3690,
0.5437

■ 55.3374, 0.2807,
0.2529

■ 39.4955, 0.3683,
0.5458

■ 56.1391, 0.2847,
0.2537

■ 56.9681, 0.2887,
0.2546

Harmonies

Analogous

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



44.9652, 0.3734, 0.3929



44.9652, 0.3401, 0.4000



44.9652, 0.3007, 0.3849

Triad

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



44.9652, 0.3401, 0.4000



44.9652, 0.2401, 0.2824



44.9652, 0.3598, 0.3064

Complementary

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



44.9652, 0.3401, 0.4000



26.9396, 0.2795, 0.2538

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.



44.9652, 0.3211, 0.2811



44.9652, 0.3401, 0.4000



44.9652, 0.2534, 0.2666

Square

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



44.9652, 0.3401, 0.4000



44.9652, 0.2445, 0.3129



44.9652, 0.2822, 0.2667



44.9652, 0.3860, 0.3379

Rectangle

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



44.9652, 0.3401, 0.4000



44.9652, 0.2765, 0.3639



44.9652, 0.2822, 0.2667



44.9652, 0.3477, 0.2970

Sweetspot

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



44.9672, 0.3401, 0.4000



84.8424, 0.3208, 0.3489



33.3559, 0.3663, 0.3494



18.2123, 0.3223, 0.3526



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.



44.9672, 0.3401, 0.4000



79.3718, 0.3457, 0.4163



42.4434, 0.3182, 0.4051



10.3673, 0.3220, 0.3519



26.9315, 0.3690, 0.5452



0.9796, 0.3825, 0.5345

Inverse Universe

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



26.9396, 0.2795, 0.2538



41.7937, 0.2707, 0.2353



29.5447, 0.3045, 0.2591



8.8439, 0.3029, 0.3057



2.9590, 0.1706, 0.0713



0.1373, 0.2006, 0.0879

Previews

White Background



This preview shows how the Yxy color 44.9652, 0.3401, 0.4000 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 44.9652, 0.3401, 0.4000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

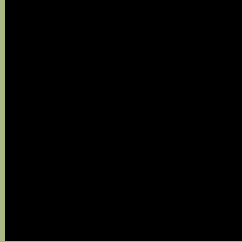
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9652, 0.3401, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 44.9652, 0.3401, 0.4000.



This preview shows how white text looks on a background with the Yxy color 44.9652, 0.3401, 0.4000.

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

44.9652, 0.3401, 0.4000

Protanopia

44.6860, 0.3652, 0.3908

Deuteranopia

44.6336, 0.3799, 0.3714



Tritanopia

45.1115, 0.3017, 0.3107

Trichromacy



Original Color

44.9652, 0.3401, 0.4000

Protanomaly

44.9040, 0.3557, 0.3948

Deuteranomaly

44.4303, 0.3645, 0.3813

Tritanomaly

45.1020, 0.3155, 0.3425

Monochromacy



Original Color

44.9652, 0.3401, 0.4000

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.6625, 0.3229, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9652, 0.3401, 0.4000 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(170, 185, 134)` looks like.

```
.text, #text, p{  
    color:rgb(170, 185, 134)  
}
```

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(170, 185, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 185, 134) }
```

Border

The CSS property to change the border of an element to Yxy 44.9652, 0.3401, 0.4000 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(170, 185, 134) }
```

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

```
.border{ border-color:rgb(170, 185, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 185, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 185, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 185, 134);  
box-shadow:4px 4px 4px 4px rgb(170, 185,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9652, 0.3401, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 185, 134) }
```

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

```
.background{ background-color: rgb(170,  
185, 134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor