

Converting Colors

$Yxy(41.3908, 0.3402, 0.3700)$

Have a look what the booklet for
Yxy(41.3908, 0.3402, 0.3700)
contains.

Yxy(41.5158, 0.3400, 0.3707)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.5158, 0.3400, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	B0AE90
RGB	176, 174, 144
RGB Percent	69%, 68%, 56%
CMY	0.3098, 0.3176, 0.4352
CMYK	0.00, 0.01, 0.18, 0.31
HSL	56°, 17%, 63%
HSV	56°, 18%, 69%
XYZ	38.0776, 41.5158, 32.3996
YIQ	171.1780, 10.8220, -8.9060

Conversions

Conversions Part 2

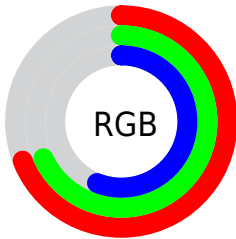
Format	Color
R _{YB}	146, 176, 144
Decimal	11579024
CIE Lab	70.54, -4.41, 15.68
CIE LCh	71, 16.284, 105.699
Yxy	41.5158, 0.3400, 0.3707
Android (android.graphics.Color)	4289769104 (0xFFB0AE90)
YUV	171.1780, -13.3988, 4.2289
Hunter-Lab	64.4328, -7.2698, 15.2894

Details

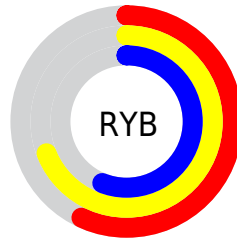
The Yxy color **41.5158, 0.3400, 0.3707** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.6340, 0.2835, 0.2836**, and the grayscale version is **40.8856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2716, 0.3351, 0.3622**, and **18.9382, 0.3469, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **40.5946, 0.3556, 0.3941**, and if you desaturate by 10%, it is **42.5281, 0.3247, 0.3475**.

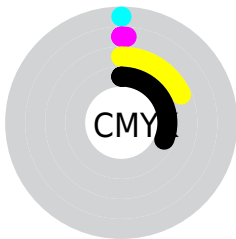
Distribution



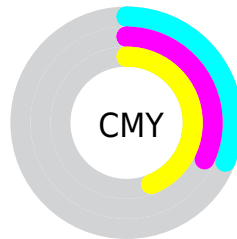
- Red (69%)
- Green (68%)
- Blue (56%)



- Red (57%)
- Yellow (69%)
- Blue (56%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (31%)





- Cyan (31%)
- Magenta (32%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5158, 0.3400, 0.3707 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 41.5158, 0.3400, 0.3707 by changing the saturation by 10% instead.


 41.5158, 0.3400,
0.3707


 41.5158, 0.3400,
0.3707


352.4718, 0.3262,
0.3493

 28.7223, 0.3435,
0.3762


 77.4663, 0.3350,
0.3628

 18.8709, 0.3479,
0.3834


 101.3921, 0.3331,
0.3598

 11.5770, 0.3538,
0.3932


129.7975, 0.3315,
0.3574

 6.4564, 0.3620,
0.4071

163.0668, 0.3301,
0.3553

 3.1245, 0.3739,
0.4284

201.5845, 0.3290,
0.3535

 1.1971, 0.4245,
0.5025

245.7350, 0.3279,

 0.0593, 0.0000,

0.3519

1.0000

295.9026, 0.3270,
0.3505

■ 0.0000, 0.0000,
0.0000

■ 41.5158, 0.3400,
0.3707

■ 41.5158, 0.3400,
0.3707

■ 40.5946, 0.3556,
0.3941

■ 42.5281, 0.3247,
0.3475

■ 39.7551, 0.3709,
0.4169

■ 43.6297, 0.3101,
0.3250

■ 38.9950, 0.3856,
0.4383

■ 44.8258, 0.2963,
0.3036

■ 38.3097, 0.3990,
0.4573

■ 46.1196, 0.2835,
0.2836

■ 37.6941, 0.4104,
0.4730

■ 47.5142, 0.2718,
0.2652

■ 37.1425, 0.4195,
0.4847

■ 49.0126, 0.2611,
0.2482

■ 36.6483, 0.4260,
0.4921

■ 49.8047, 0.2582,
0.2443

■ 36.2003, 0.4300,
0.4957

■ 50.2592, 0.2583,
0.2456

■ 36.1204, 0.4307,
0.4962

■ 50.7172, 0.2585,
0.2469

Harmonies

Analogous

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



41.5158, 0.3556, 0.3623



41.5158, 0.3400, 0.3707



41.5158, 0.3174, 0.3673

Triad

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



41.5158, 0.3400, 0.3707



41.5158, 0.2681, 0.3095



41.5158, 0.3306, 0.3072

Complementary

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



41.5158, 0.3400, 0.3707



29.6340, 0.2835, 0.2836

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.



41.5158, 0.3066, 0.2941



41.5158, 0.3400, 0.3707



41.5158, 0.2712, 0.2948

Square

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



41.5158, 0.3400, 0.3707



41.5158, 0.2763, 0.3307



41.5158, 0.2851, 0.2895



41.5158, 0.3502, 0.3257

Rectangle

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



41.5158, 0.3400, 0.3707



41.5158, 0.3016, 0.3584



41.5158, 0.2851, 0.2895



41.5158, 0.3227, 0.3020

Sweetspot

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



41.5176, 0.3400, 0.3707



77.7196, 0.3201, 0.3404



31.2643, 0.3450, 0.3260



16.8140, 0.3212, 0.3420



89.0005, 0.3127, 0.3290



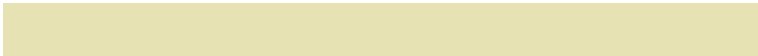
17.0645, 0.3127, 0.3290

Same Dimension

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



41.5176, 0.3400, 0.3707



74.5647, 0.3465, 0.3806



40.7665, 0.3267, 0.3752



9.8133, 0.3265, 0.3501



26.5305, 0.4306, 0.4963



0.8621, 0.4271, 0.4991

Inverse Universe

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



29.6340, 0.2835, 0.2836



48.8020, 0.2759, 0.2716



30.3450, 0.2967, 0.2823



8.3131, 0.2985, 0.3070



2.5088, 0.1514, 0.0649



0.1072, 0.1569, 0.0848

Previews

White Background



This preview shows how the Yxy color 41.5158, 0.3400, 0.3707 looks on a white background.

Color Contrast Check

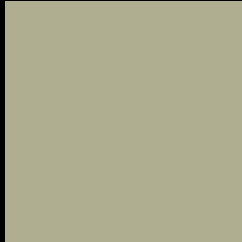
Large Text (above 18pt) WCAG AA × Fail

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 41.5158, 0.3400, 0.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

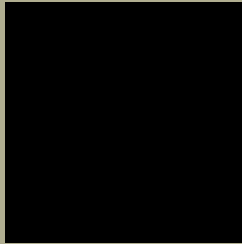
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

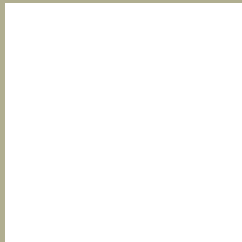
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5158, 0.3400, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 41.5158, 0.3400, 0.3707.



This preview shows how white text looks on a background with the Yxy color 41.5158, 0.3400, 0.3707.

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

41.5158, 0.3400, 0.3707

Protanopia

41.4333, 0.3471, 0.3687

Deuteranopia

41.4899, 0.3627, 0.3551



Tritanopia

41.5771, 0.3126, 0.3118

Trichromacy



Original Color

41.5158, 0.3400, 0.3707

Protanomaly

41.5736, 0.3449, 0.3703

Deuteranomaly

41.4966, 0.3549, 0.3611

Tritanomaly

41.5367, 0.3225, 0.3331

Monochromacy



Original Color

41.5158, 0.3400, 0.3707

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.9625, 0.3229, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5158, 0.3400, 0.3707 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(176, 174, 144)` looks like.

```
.text, #text, p{  
    color:rgb(176, 174, 144)  
}
```

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(176, 174, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 144) }
```

Border

The CSS property to change the border of an element to Yxy 41.5158, 0.3400, 0.3707 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(176, 174, 144) }
```

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

```
.border{ border-color:rgb(176, 174, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 174, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 144);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5158, 0.3400, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 174, 144) }
```

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

```
.background{ background-color: rgb(176,  
174, 144) }
```

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