

Converting Colors

$Y_{xy}(41.8529, 0.3322, 0.3703)$

Have a look what the booklet for
Yxy(41.8529, 0.3322, 0.3703)
contains.

Yxy(41.8152, 0.3323, 0.3697)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.8152, 0.3323, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	ABB093
RGB	171, 176, 147
RGB Percent	67%, 69%, 58%
CMY	0.3295, 0.3098, 0.4234
CMYK	0.03, 0.00, 0.16, 0.31
HSL	70°, 15%, 63%
HSV	70°, 16%, 69%
XYZ	37.5850, 41.8152, 33.7055
YIQ	171.1990, 6.3290, -10.0790

Conversions

Conversions Part 2

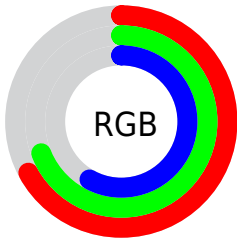
Format	Color
RYB	147, 176, 152
Decimal	11251859
CIELab	70.74, -6.90, 14.26
CIElCh	71, 15.844, 115.805
Yxy	41.8152, 0.3323, 0.3697
Android (android.graphics.Color)	4289441939 (0xFFABB093)
YUV	171.1990, -11.9301, -0.1745
Hunter-Lab	64.6647, -9.4136, 14.3612

Details

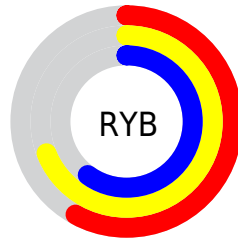
The Yxy color **41.8152, 0.3323, 0.3697** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.6923, 0.2911, 0.2861**, and the grayscale version is **40.8891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0990, 0.3284, 0.3625**, and **19.1818, 0.3386, 0.3837** is the 20% darker color. If you saturate the color by 10%, you get **40.9671, 0.3442, 0.3956**, and if you desaturate by 10%, it is **42.7595, 0.3203, 0.3446**.

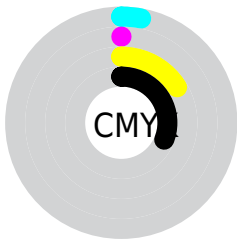
Distribution



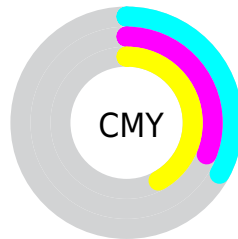
- Red (67%)
- Green (69%)
- Blue (58%)



- Red (58%)
- Yellow (69%)
- Blue (60%)



- Cyan (3%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)





- Cyan (33%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8152, 0.3323, 0.3697 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 41.8152, 0.3323, 0.3697 by changing the saturation by 10% instead.


 41.8152, 0.3323,
0.3697

 41.8152, 0.3323,
0.3697


353.7163, 0.3225,
0.3487

 28.9566, 0.3347,
0.3752


 77.9199, 0.3287,
0.3619

 19.0480, 0.3378,
0.3823


 101.9347, 0.3274,
0.3590

 11.7050, 0.3420,
0.3920


130.4371, 0.3263,
0.3566

 6.5431, 0.3476,
0.4060

163.8115, 0.3253,
0.3546

 3.1781, 0.3557,
0.4277

202.4422, 0.3245,
0.3528

 1.2254, 0.3886,
0.4919

246.7136, 0.3237,

 0.0823, 0.0000,

0.3512

1.0000

297.0102, 0.3231,
0.3499

■ 0.0000, 0.0000,
0.0000

■ 41.8152, 0.3323,
0.3697

■ 41.8152, 0.3323,
0.3697

■ 40.9671, 0.3442,
0.3956

■ 42.7595, 0.3203,
0.3446

■ 40.2057, 0.3557,
0.4215

■ 43.7980, 0.3086,
0.3207

■ 39.5288, 0.3663,
0.4466

■ 44.9361, 0.2974,
0.2984

■ 38.9317, 0.3754,
0.4698

■ 46.1769, 0.2869,
0.2778

■ 38.4094, 0.3825,
0.4902

■ 47.5237, 0.2771,
0.2590

■ 37.9564, 0.3873,
0.5068

■ 48.9793, 0.2680,
0.2419

■ 37.5661, 0.3895,
0.5190

■ 49.5261, 0.2687,
0.2402

■ 37.2296, 0.3894,
0.5269

■ 49.9297, 0.2709,
0.2407

■ 37.1170, 0.3891,
0.5292

■ 50.3417, 0.2731,
0.2413

Harmonies

Analogous

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



41.8152, 0.3503, 0.3652



41.8152, 0.3323, 0.3697



41.8152, 0.3095, 0.3624

Triad

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



41.8152, 0.3323, 0.3697



41.8152, 0.2691, 0.3044



41.8152, 0.3373, 0.3134

Complementary

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



41.8152, 0.3323, 0.3697



30.6923, 0.2911, 0.2861

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.



41.8152, 0.3147, 0.2986



41.8152, 0.3323, 0.3697



41.8152, 0.2759, 0.2930

Square

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



41.8152, 0.3323, 0.3697



41.8152, 0.2735, 0.3234



41.8152, 0.2923, 0.2911



41.8152, 0.3535, 0.3324

Rectangle

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



41.8152, 0.3323, 0.3697



41.8152, 0.2947, 0.3516



41.8152, 0.2923, 0.2911



41.8152, 0.3302, 0.3078

Sweetspot

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



41.8170, 0.3323, 0.3697



77.7929, 0.3187, 0.3412



33.7493, 0.3423, 0.3360



16.8321, 0.3195, 0.3429



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.



41.8170, 0.3323, 0.3697



75.2165, 0.3370, 0.3797



40.2980, 0.3192, 0.3714



9.8306, 0.3237, 0.3517



27.2533, 0.3894, 0.5290



0.8771, 0.3983, 0.5220

Inverse Universe

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



30.6923, 0.2911, 0.2861



50.9494, 0.2853, 0.2748



32.1562, 0.3050, 0.2878



8.2987, 0.3011, 0.3057



2.5267, 0.1586, 0.0648



0.1009, 0.1828, 0.0781

Previews

White Background



This preview shows how the Yxy color 41.8152, 0.3323, 0.3697 looks on a white background.

Color Contrast Check

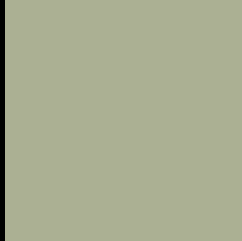
Large Text (above 18pt) WCAG AA × Fail

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 41.8152, 0.3323, 0.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

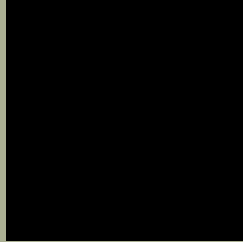
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

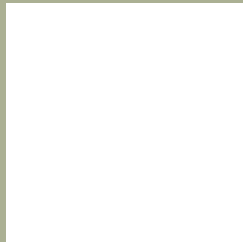
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8152, 0.3323, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 41.8152, 0.3323, 0.3697.



This preview shows how white text looks on a background with the Yxy color 41.8152, 0.3323, 0.3697.

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

41.8152, 0.3323, 0.3697

Protanopia

41.8766, 0.3451, 0.3673

Deuteranopia

41.4481, 0.3589, 0.3513



Tritanopia

41.8166, 0.3064, 0.3116

Trichromacy



Original Color

41.8152, 0.3323, 0.3697

Protanomaly

41.8124, 0.3402, 0.3677

Deuteranomaly

41.5789, 0.3489, 0.3586

Tritanomaly

41.8261, 0.3153, 0.3317

Monochromacy



Original Color

41.8152, 0.3323, 0.3697

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.1537, 0.3201, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8152, 0.3323, 0.3697 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(171, 176, 147)` looks like.

```
.text, #text, p{  
    color:rgb(171, 176, 147)  
}
```

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(171, 176, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 176, 147) }
```

Border

The CSS property to change the border of an element to Yxy 41.8152, 0.3323, 0.3697 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(171, 176, 147) }
```

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

```
.border{ border-color:rgb(171, 176, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 176, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 176, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 176, 147);  
box-shadow:4px 4px 4px 4px rgb(171, 176,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8152, 0.3323, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 176, 147) }
```

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

```
.background{ background-color: rgb(171,  
176, 147) }
```

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