

Converting Colors

$Y_{xy}(42.9914, 0.3436, 0.3976)$

Have a look what the booklet for
Yxy(42.9914, 0.3436, 0.3976)
contains.

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Color

Yxy(42.8273, 0.3438, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	AAB483
RGB	170, 180, 131
RGB Percent	67%, 71%, 51%
CMY	0.3333, 0.2941, 0.4863
CMYK	0.06, 0.00, 0.27, 0.29
HSL	72°, 25%, 61%
HSV	72°, 27%, 71%
XYZ	36.9950, 42.8273, 27.7839
YIQ	171.4240, 9.7690, -17.3590

Conversions

Conversions Part 2

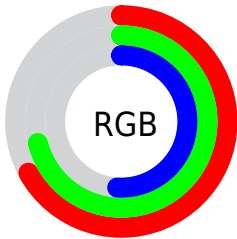
Format	Color
RYB	131, 180, 141
Decimal	11187331
CIELab	71.44, -11.82, 23.90
CIElCh	71, 26.663, 116.316
Yxy	42.8273, 0.3438, 0.3980
Android (android.graphics.Color)	4289377411 (0xFFAAB483)
YUV	171.4240, -19.9290, -1.2488
Hunter-Lab	65.4426, -13.6175, 20.6380

Details

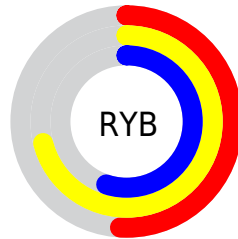
The Yxy color **42.8273, 0.3438, 0.3980** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.1862, 0.2758, 0.2541**, and the grayscale version is **41.0481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6203, 0.3388, 0.3853**, and **19.5547, 0.3517, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **41.9791, 0.3547, 0.4243**, and if you desaturate by 10%, it is **43.7755, 0.3324, 0.3719**.

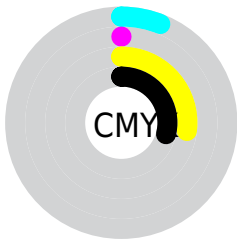
Distribution



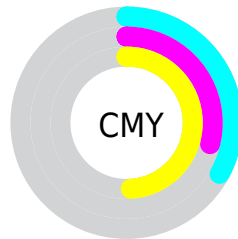
- Red (67%)
- Green (71%)
- Blue (51%)



- Red (51%)
- Yellow (71%)
- Blue (55%)



- Cyan (6%)
- Magenta (0%)
- Yellow (27%)
- Black (29%)




- Cyan (33%)
- Magenta (29%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8273, 0.3438, 0.3980 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 42.8273, 0.3438, 0.3980 by changing the saturation by 10% instead.


 42.8273, 0.3438,
0.3980


 42.8273, 0.3438,
0.3980


357.9011, 0.3286,
0.3623

 29.7496, 0.3474,
0.4072


 79.4502, 0.3384,
0.3848

 19.6486, 0.3518,
0.4193


 103.7642, 0.3364,
0.3799

 12.1399, 0.3574,
0.4355


 132.5924, 0.3346,
0.3758

 6.8390, 0.3645,
0.4585

166.3193, 0.3331,
0.3723

 3.3616, 0.3730,
0.4931

205.3292, 0.3318,
0.3693

 1.3233, 0.4093,
0.5907

250.0066, 0.3306,

 0.1592, 0.0000,

0.3666

1.0000

300.7357, 0.3296,
0.3643

0.0000, 0.0000,
0.0000

42.8273, 0.3438,
0.3980

42.8273, 0.3438,
0.3980

41.9791, 0.3547,
0.4243

43.7755, 0.3324,
0.3719

41.2208, 0.3646,
0.4497

44.8222, 0.3209,
0.3465

40.5493, 0.3730,
0.4733

45.9733, 0.3096,
0.3225

39.9594, 0.3794,
0.4941

47.2322, 0.2988,
0.3001

39.4449, 0.3835,
0.5110

48.6027, 0.2886,
0.2794

■ 38.9988, 0.3850,
0.5234

■ 50.0879, 0.2791,
0.2606

■ 38.6109, 0.3841,
0.5316

■ 51.5621, 0.2715,
0.2453

■ 38.5086, 0.3837,
0.5335

■ 52.0599, 0.2741,
0.2459

■ 52.5697, 0.2768,
0.2465

Harmonies

Analogous

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



42.8273, 0.3747, 0.3889



42.8273, 0.3438, 0.3980



42.8273, 0.3058, 0.3859

Triad

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



42.8273, 0.3438, 0.3980



42.8273, 0.2418, 0.2868



42.8273, 0.3542, 0.3037

Complementary

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



42.8273, 0.3438, 0.3980



25.1862, 0.2758, 0.2541

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.



42.8273, 0.3161, 0.2801



42.8273, 0.3438, 0.3980



42.8273, 0.2527, 0.2695

Square

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



42.8273, 0.3438, 0.3980



42.8273, 0.2482, 0.3178



42.8273, 0.2791, 0.2677



42.8273, 0.3816, 0.3339

Rectangle

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



42.8273, 0.3438, 0.3980



42.8273, 0.2817, 0.3669



42.8273, 0.2791, 0.2677



42.8273, 0.3421, 0.2949

Sweetspot

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



42.8292, 0.3438, 0.3980



81.0877, 0.3219, 0.3488



30.3302, 0.3668, 0.3433



17.4628, 0.3236, 0.3525



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.8292, 0.3438, 0.3980



76.6578, 0.3508, 0.4147



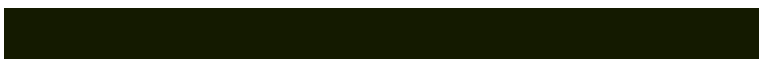
40.3657, 0.3217, 0.4031



9.8174, 0.3233, 0.3517



26.9039, 0.3842, 0.5332



0.8687, 0.3946, 0.5249

Inverse Universe

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



25.1862, 0.2758, 0.2541



39.0326, 0.2653, 0.2340



27.5559, 0.3004, 0.2592



8.3109, 0.3016, 0.3057



2.5947, 0.1612, 0.0662



0.1059, 0.1882, 0.0810

Previews

White Background



This preview shows how the Yxy color 42.8273, 0.3438, 0.3980 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 42.8273, 0.3438, 0.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

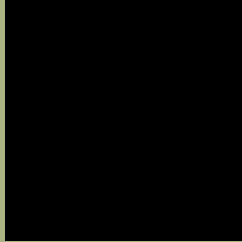
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8273, 0.3438, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 42.8273, 0.3438, 0.3980.



This preview shows how white text looks on a background with the Yxy color 42.8273, 0.3438, 0.3980.

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

42.8273, 0.3438, 0.3980

Protanopia

42.9363, 0.3642, 0.3906

Deuteranopia

42.7056, 0.3791, 0.3723



Tritanopia

42.7794, 0.3056, 0.3118

Trichromacy



Original Color

42.8273, 0.3438, 0.3980

Protanomaly

42.8797, 0.3559, 0.3933

Deuteranomaly

42.4050, 0.3657, 0.3808

Tritanomaly

42.8025, 0.3192, 0.3427

Monochromacy



Original Color

42.8273, 0.3438, 0.3980

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.3303, 0.3251, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8273, 0.3438, 0.3980 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, 180, 131)` looks like.

```
.text, #text, p{  
    color:rgb(170, 180, 131)  
}
```

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, 180, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 180, 131) }
```

Border

The CSS property to change the border of an element to Yxy 42.8273, 0.3438, 0.3980 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, 180, 131) }
```

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

```
.border{ border-color:rgb(170, 180, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 180, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 180, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 180, 131);  
box-shadow:4px 4px 4px 4px rgb(170, 180,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8273, 0.3438, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 180, 131) }
```

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

```
.background{ background-color: rgb(170,  
180, 131) }
```

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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