

Converting Colors

$Y_{xy}(40.8733, 0.3533, 0.3813)$

Have a look what the booklet for
Yxy(40.8733, 0.3533, 0.3813)
contains.

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Color

Yxy(40.9296, 0.3531, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	B4AC86
RGB	180, 172, 134
RGB Percent	71%, 67%, 53%
CMY	0.2942, 0.3254, 0.4745
CMYK	0.00, 0.04, 0.26, 0.29
HSL	50°, 23%, 62%
HSV	50°, 26%, 71%
XYZ	37.8728, 40.9296, 28.4555
YIQ	170.0600, 16.9660, -10.1220

Conversions

Conversions Part 2

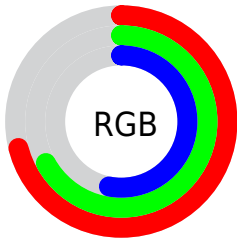
Format	Color
RYB	144, 180, 134
Decimal	11840646
CIELab	70.13, -3.30, 20.63
CIElCh	70, 20.888, 99.102
Yxy	40.9296, 0.3531, 0.3816
Android (android.graphics.Color)	4290030726 (0xFFB4AC86)
YUV	170.0600, -17.7776, 8.7174
Hunter-Lab	63.9762, -6.2897, 18.4122

Details

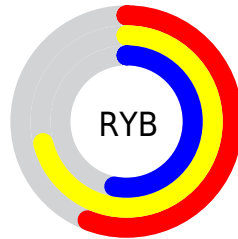
The Yxy color **40.9296, 0.3531, 0.3816** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.6937, 0.2706, 0.2702**, and the grayscale version is **40.3129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3589, 0.3458, 0.3718**, and **18.5851, 0.3653, 0.3977** is the 20% darker color. If you saturate the color by 10%, you get **39.2992, 0.3701, 0.4025**, and if you desaturate by 10%, it is **42.6769, 0.3366, 0.3606**.

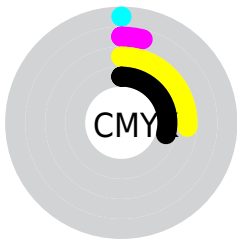
Distribution



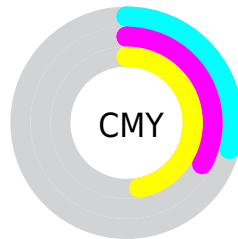
- Red (71%)
- Green (67%)
- Blue (53%)



- Red (56%)
- Yellow (71%)
- Blue (53%)



- Cyan (0%)
- Magenta (4%)
- Yellow (26%)
- Black (29%)





- Cyan (29%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9296, 0.3531, 0.3816 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 40.9296, 0.3531, 0.3816 by changing the saturation by 10% instead.


 40.9296, 0.3531,
0.3816

 40.9296, 0.3531,
0.3816

350.0263, 0.3327,
0.3546

 28.2641, 0.3582,
0.3885

 76.5770, 0.3457,
0.3717

 18.5248, 0.3648,
0.3974


 100.3277, 0.3429,
0.3680

 11.3274, 0.3734,
0.4094


 128.5422, 0.3405,
0.3649

 6.2875, 0.3852,
0.4262

161.6050, 0.3385,
0.3622

 3.0207, 0.4020,
0.4510

199.9004, 0.3367,
0.3599

 1.1425, 0.4650,
0.5350

243.8128, 0.3352,

 0.0140, 0.0000,

0.3579

1.0000

293.7266, 0.3339,
0.3562

0.0000, 0.0000,
0.0000

40.9296, 0.3531,
0.3816

40.9296, 0.3531,
0.3816

39.2992, 0.3701,
0.4025

42.6769, 0.3366,
0.3606

37.7757, 0.3872,
0.4225

44.5399, 0.3209,
0.3400

36.3561, 0.4036,
0.4406

46.5243, 0.3064,
0.3204

35.0349, 0.4188,
0.4560

48.6338, 0.2929,
0.3019

33.8063, 0.4320,
0.4676

50.8721, 0.2807,
0.2847

■ 32.6631, 0.4426,
0.4748

■ 53.2424, 0.2696,
0.2688

■ 31.5968, 0.4505,
0.4776

■ 55.4234, 0.2624,
0.2591

■ 31.1384, 0.4535,
0.4781

■ 56.8230, 0.2628,
0.2628

■ 58.2518, 0.2632,
0.2665

Harmonies

Analogous

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



40.9296, 0.3706, 0.3673



40.9296, 0.3531, 0.3816



40.9296, 0.3252, 0.3813

Triad

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



40.9296, 0.3531, 0.3816



40.9296, 0.2569, 0.3090



40.9296, 0.3289, 0.2968

Complementary

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



40.9296, 0.3531, 0.3816



27.6937, 0.2706, 0.2702

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.



40.9296, 0.2980, 0.2824



40.9296, 0.3531, 0.3816



40.9296, 0.2576, 0.2881

Square

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



40.9296, 0.3531, 0.3816



40.9296, 0.2702, 0.3374



40.9296, 0.2723, 0.2790



40.9296, 0.3565, 0.3189

Rectangle

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



40.9296, 0.3531, 0.3816



40.9296, 0.3047, 0.3719



40.9296, 0.2723, 0.2790



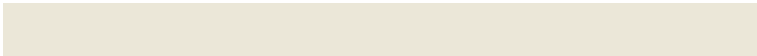
40.9296, 0.3185, 0.2909

Sweetspot

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



40.9314, 0.3531, 0.3816



79.8921, 0.3249, 0.3453



28.7142, 0.3561, 0.3170



17.1575, 0.3272, 0.3483



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.



40.9314, 0.3531, 0.3816



72.4472, 0.3632, 0.3942



42.3961, 0.3371, 0.3946



9.6514, 0.3267, 0.3477



21.8267, 0.4530, 0.4785



0.7526, 0.4421, 0.4871

Inverse Universe

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



27.6937, 0.2706, 0.2702



44.0942, 0.2595, 0.2541



26.6903, 0.2835, 0.2603



8.4601, 0.2985, 0.3096



3.0603, 0.1548, 0.0773



0.1682, 0.1676, 0.1232

Previews

White Background



This preview shows how the Yxy color 40.9296, 0.3531, 0.3816 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 40.9296, 0.3531, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

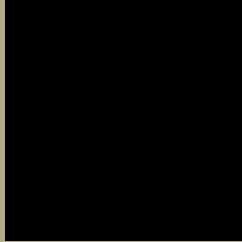
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9296, 0.3531, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 40.9296, 0.3531, 0.3816.



This preview shows how white text looks on a background with the Yxy color 40.9296, 0.3531, 0.3816.

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

40.9296, 0.3531, 0.3816

Protanopia

40.9143, 0.3564, 0.3798

Deuteranopia

40.9672, 0.3735, 0.3668



Tritanopia

40.9662, 0.3200, 0.3119

Trichromacy



Original Color

40.9296, 0.3531, 0.3816

Protanomaly

40.7921, 0.3554, 0.3799

Deuteranomaly

41.0920, 0.3664, 0.3729

Tritanomaly

40.8400, 0.3320, 0.3358

Monochromacy



Original Color

40.9296, 0.3531, 0.3816

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.5588, 0.3274, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9296, 0.3531, 0.3816 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(180, 172, 134)` looks like.

```
.text, #text, p{  
    color:rgb(180, 172, 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(180, 172, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 172, 134) }
```

Border

The CSS property to change the border of an element to Yxy 40.9296, 0.3531, 0.3816 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(180, 172, 134) }
```

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

```
.border{ border-color:rgb(180, 172, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 172, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 172, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 172, 134);  
box-shadow:4px 4px 4px 4px rgb(180, 172,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9296, 0.3531, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 172, 134) }
```

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

```
.background{ background-color: rgb(180,  
172, 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](#).

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