

# Converting Colors

$Y_{xy}(45.1900, 0.3429, 0.4034)$

Have a look what the booklet for  
Yxy(45.1900, 0.3429, 0.4034)  
contains.

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# **Color**

**Yxy(45.0218, 0.3426, 0.4026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABB984
RGB	171, 185, 132
RGB Percent	67%, 73%, 52%
CMY	0.3293, 0.2745, 0.4824
CMYK	0.08, 0.00, 0.29, 0.27
HSL	76°, 27%, 62%
HSV	76°, 29%, 73%
XYZ	38.3121, 45.0218, 28.4937
YIQ	174.7720, 8.6690, -19.4510

# Conversions

## Conversions Part 2

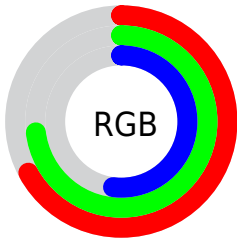
Format	Color
R <sub>YB</sub>	132, 185, 146
Decimal	11254148
CIE Lab	72.91, -13.87, 25.36
CIE LCh	73, 28.905, 118.672
Yxy	45.0218, 0.3426, 0.4026
Android (android.graphics.Color)	4289444228 (0xFFABB984)
YUV	174.7720, -21.0866, -3.3080
Hunter-Lab	67.0983, -15.5011, 21.7910

# Details

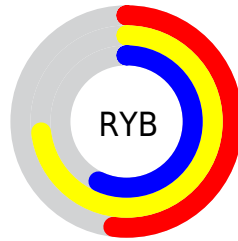
The Yxy color **45.0218, 0.3426, 0.4026** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.1069, 0.2764, 0.2501**, and the grayscale version is **42.8559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7443, 0.3380, 0.3890**, and **20.9633, 0.3496, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **44.0240, 0.3523, 0.4295**, and if you desaturate by 10%, it is **46.1335, 0.3323, 0.3759**.

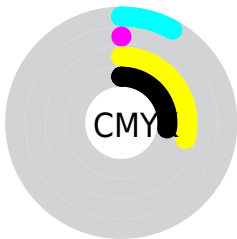
# Distribution



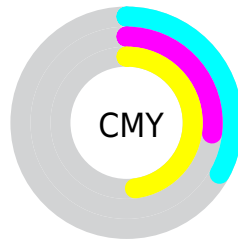
- Red (67%)
- Green (73%)
- Blue (52%)



- Red (52%)
- Yellow (73%)
- Blue (57%)



- Cyan (8%)
- Magenta (0%)
- Yellow (29%)
- Black (27%)




- Cyan (33%)
- Magenta (27%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0218, 0.3426, 0.4026 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 45.0218, 0.3426, 0.4026 by changing the saturation by 10% instead.





 45.0218, 0.3426,  
0.4026


 45.0218, 0.3426,  
0.4026


366.8618, 0.3283,  
0.3647


 31.4746, 0.3459,  
0.4123


 82.7531, 0.3376,  
0.3886

 20.9605, 0.3499,  
0.4249


 107.7060, 0.3356,  
0.3834

 13.0951, 0.3549,  
0.4419

 137.2296, 0.3340,  
0.3791

 7.4941, 0.3609,  
0.4657

171.7083, 0.3325,  
0.3753

 3.7730, 0.3676,  
0.5011

211.5265, 0.3313,  
0.3721

 1.5474, 0.4002,  
0.5998

257.0685, 0.3302,

 0.3217, 0.0000,

0.3693

1.0000

308.7189, 0.3292,  
0.3669

0.0000, 0.0000,  
0.0000

45.0218, 0.3426,  
0.4026

45.0218, 0.3426,  
0.4026

44.0240, 0.3523,  
0.4295

46.1335, 0.3323,  
0.3759

43.1293, 0.3610,  
0.4557

47.3579, 0.3217,  
0.3502

42.3342, 0.3681,  
0.4801

48.7012, 0.3113,  
0.3258

41.6328, 0.3731,  
0.5015

50.1674, 0.3013,  
0.3032

41.0183, 0.3758,  
0.5190

51.7605, 0.2918,  
0.2824

■ 40.4829, 0.3758,  
0.5320

■ 53.4842, 0.2829,  
0.2635

■ 40.0133, 0.3738,  
0.5406

■ 54.9173, 0.2786,  
0.2524

■ 39.9528, 0.3734,  
0.5417

■ 55.6220, 0.2821,  
0.2532

■ 56.3485, 0.2857,  
0.2540

# Harmonies

## Analogous

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



45.0218, 0.3766, 0.3941



45.0218, 0.3426, 0.4026



45.0218, 0.3020, 0.3880

# Triad

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



45.0218, 0.3426, 0.4026



45.0218, 0.2376, 0.2819



45.0218, 0.3598, 0.3044

# Complementary

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



45.0218, 0.3426, 0.4026



26.1069, 0.2764, 0.2501

# 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.



45.0218, 0.3195, 0.2787



45.0218, 0.3426, 0.4026



45.0218, 0.2506, 0.2650

# Square

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



45.0218, 0.3426, 0.4026



45.0218, 0.2429, 0.3139



45.0218, 0.2797, 0.2645



45.0218, 0.3877, 0.3366



# Rectangle

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



45.0218, 0.3426, 0.4026



45.0218, 0.2768, 0.3667



45.0218, 0.2797, 0.2645



45.0218, 0.3471, 0.2948

# Sweetspot

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



45.0238, 0.3426, 0.4026



84.7075, 0.3222, 0.3514



32.3026, 0.3696, 0.3478



18.1903, 0.3238, 0.3551



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.



45.0238, 0.3426, 0.4026



79.5599, 0.3484, 0.4185



42.4037, 0.3199, 0.4082



10.3811, 0.3224, 0.3519



27.2418, 0.3740, 0.5412



0.9886, 0.3863, 0.5315



# Inverse Universe

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



26.1069, 0.2764, 0.2501



40.4604, 0.2673, 0.2316



28.7422, 0.3023, 0.2558



8.8308, 0.3024, 0.3057



2.8561, 0.1670, 0.0694



0.1318, 0.1958, 0.0852



# Previews

## White Background



This preview shows how the Yxy color 45.0218, 0.3426, 0.4026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

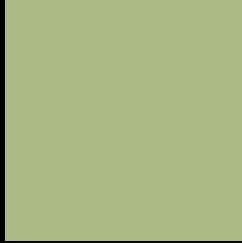
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.0218, 0.3426, 0.4026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

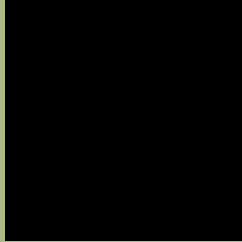
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

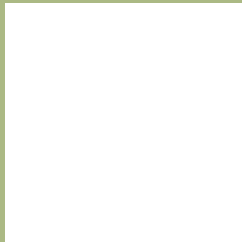
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.0218, 0.3426, 0.4026**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.0218, 0.3426, 0.4026.



This preview shows how white text looks on a background with the Yxy color 45.0218, 0.3426, 0.4026.

# 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

45.0218, 0.3426, 0.4026

### Protanopia

45.0316, 0.3665, 0.3946

### Deuteranopia

44.5767, 0.3818, 0.3739



## Tritanopia

44.7896, 0.3033, 0.3107

# Trichromacy



## Original Color

45.0218, 0.3426, 0.4026

## Protanomaly

44.8498, 0.3574, 0.3975

## Deuteranomaly

44.5077, 0.3672, 0.3837

## Tritanomaly

44.7749, 0.3173, 0.3425

# Monochromacy



## Original Color

45.0218, 0.3426, 0.4026

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

43.7421, 0.3246, 0.3564

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0218, 0.3426, 0.4026 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, 185, 132)` looks like.

```
.text, #text, p{  
    color:rgb(171, 185, 132)  
}
```

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, 185, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 185, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0218, 0.3426, 0.4026 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, 185, 132) }
```

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

```
.border{ border-color:rgb(171, 185, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 185, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 185, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 185, 132);  
box-shadow:4px 4px 4px 4px rgb(171, 185,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0218, 0.3426, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 185, 132) }
```

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

```
.background{ background-color: rgb(171,  
185, 132) }
```

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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