

# Converting Colors

Yxy(44.8858, 0.3323, 0.3431)

Have a look what the booklet for  
Yxy(44.8858, 0.3323, 0.3431)  
contains.

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# Color

**Yxy(45.0163, 0.3326, 0.3434)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDB1A6
RGB	189, 177, 166
RGB Percent	74%, 69%, 65%
CMY	0.2586, 0.3059, 0.3490
CMYK	0.00, 0.06, 0.12, 0.26
HSL	29°, 15%, 70%
HSV	29°, 12%, 74%
XYZ	43.6005, 45.0163, 42.4732
YIQ	179.3340, 10.6830, -0.8770

# Conversions

## Conversions Part 2

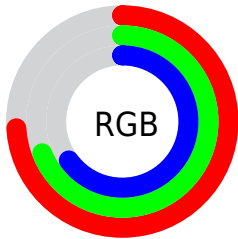
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	189, 187, 166
Decimal	12431782
CIE Lab	72.90, 2.41, 7.15
CIE LCh	73, 7.544, 71.334
Yxy	45.0163, 0.3326, 0.3434
Android (android.graphics.Color)	4290621862 (0xFFBDB1A6)
YUV	179.3340, -6.5737, 8.4771
Hunter-Lab	67.0942, -1.4183, 9.4331

# Details

The Yxy color **45.0163, 0.3326, 0.3434** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.6532, 0.2940, 0.3142**, and the grayscale version is **45.3024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9108, 0.3286, 0.3413**, and **20.8644, 0.3392, 0.3470** is the 20% darker color. If you saturate the color by 10%, you get **40.6062, 0.3516, 0.3559**, and if you desaturate by 10%, it is **49.8158, 0.3160, 0.3315**.

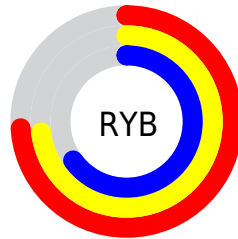
# Distribution



Red (74%)

Green (69%)

Blue (65%)



Red (74%)

Yellow (73%)

Blue (65%)

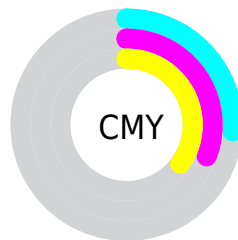


Cyan (0%)

Magenta (6%)

Yellow (12%)

Black (26%)



Cyan (26%)

Magenta (31%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0163, 0.3326, 0.3434 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 45.0163, 0.3326, 0.3434 by changing the saturation by 10% instead.



 45.0163, 0.3326,  
0.3434

 45.0163, 0.3326,  
0.3434

366.8396, 0.3226,  
0.3362

 31.4703, 0.3351,  
0.3452


 82.7449, 0.3289,  
0.3408

 20.9572, 0.3384,  
0.3475


 107.6962, 0.3276,  
0.3398

 13.0927, 0.3428,  
0.3506

137.2181, 0.3264,  
0.3390

 7.4924, 0.3490,  
0.3548

171.6949, 0.3254,  
0.3383

 3.7719, 0.3583,  
0.3612

211.5111, 0.3246,  
0.3377

 1.5468, 0.3741,  
0.3716

257.0510, 0.3238,

 0.3213, 0.5314,

0.3371

0.4686

308.6990, 0.3232,  
0.3366

0.0000, 0.0000,  
0.0000

45.0163, 0.3326,  
0.3434

45.0163, 0.3326,  
0.3434

40.6062, 0.3516,  
0.3559

49.8158, 0.3160,  
0.3315

36.5693, 0.3731,  
0.3688

55.0089, 0.3016,  
0.3204

32.8965, 0.3972,  
0.3814

60.6069, 0.2891,  
0.3101

29.5764, 0.4235,  
0.3931

66.6191, 0.2783,  
0.3006

26.5966, 0.4515,  
0.4029

72.6926, 0.2718,  
0.2977

■ 23.9439, 0.4800,  
0.4095

■ 78.2458, 0.2728,  
0.3087

■ 21.6040, 0.5072,  
0.4117

■ 84.1148, 0.2738,  
0.3195

■ 19.5605, 0.5313,  
0.4086

■ 89.5647, 0.2747,  
0.3289

■ 18.1516, 0.5478,  
0.4032

# Harmonies

## Analogous

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



45.0163, 0.3334, 0.3356



45.0163, 0.3326, 0.3434



45.0163, 0.3264, 0.3474

# Triad

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



45.0163, 0.3326, 0.3434



45.0163, 0.2971, 0.3314



45.0163, 0.3086, 0.3123

# Complementary

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



45.0163, 0.3326, 0.3434



43.6532, 0.2940, 0.3142

# 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.



45.0163, 0.2990, 0.3110



45.0163, 0.3326, 0.3434



45.0163, 0.2925, 0.3218

# Square

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



45.0163, 0.3326, 0.3434



45.0163, 0.3059, 0.3405



45.0163, 0.2932, 0.3144



45.0163, 0.3194, 0.3179



# Rectangle

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



45.0163, 0.3326, 0.3434



45.0163, 0.3201, 0.3474



45.0163, 0.2932, 0.3144



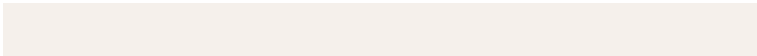
45.0163, 0.3051, 0.3113

# Sweetspot

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



45.0183, 0.3326, 0.3434



87.5037, 0.3190, 0.3337



41.3282, 0.3234, 0.3130



18.6748, 0.3202, 0.3346



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

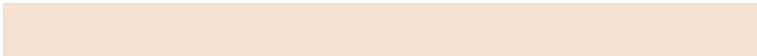


# Same Dimension

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



45.0183, 0.3326, 0.3434



78.0982, 0.3381, 0.3472



49.6637, 0.3308, 0.3577



10.2661, 0.3277, 0.3400



12.3576, 0.5458, 0.4048



0.6151, 0.5078, 0.4350



# Inverse Universe

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



43.6532, 0.2940, 0.3142



75.1052, 0.2892, 0.3101



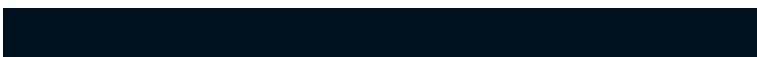
39.3418, 0.2937, 0.2986



10.0295, 0.2984, 0.3178



8.6219, 0.1799, 0.1676



0.4680, 0.1916, 0.2096



# Previews

## White Background



This preview shows how the Yxy color 45.0163, 0.3326, 0.3434 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 45.0163, 0.3326, 0.3434 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

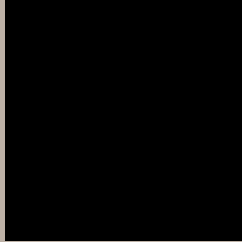
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

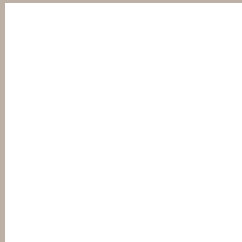
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.0163, 0.3326, 0.3434**

## Background



This preview shows how black text looks on a background with the Yxy color 45.0163, 0.3326, 0.3434.

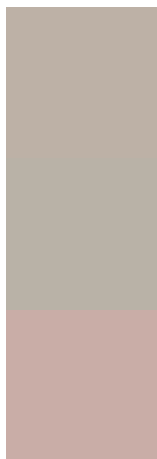


This preview shows how white text looks on a background with the Yxy color 45.0163, 0.3326, 0.3434.

# 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

45.0163, 0.3326, 0.3434

### Protanopia

44.9451, 0.3280, 0.3436

### Deuteranopia

45.0947, 0.3435, 0.3367



## Tritanopia

45.0664, 0.3179, 0.3125

# Trichromacy



## Original Color

45.0163, 0.3326, 0.3434

## Protanomaly

45.0699, 0.3289, 0.3435

## Deuteranomaly

44.9324, 0.3396, 0.3380

## Tritanomaly

44.9910, 0.3236, 0.3239

# Monochromacy



## Original Color

45.0163, 0.3326, 0.3434

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

44.9641, 0.3204, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0163, 0.3326, 0.3434 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(189, 177, 166)` looks like.

```
.text, #text, p{  
    color:rgb(189, 177, 166)  
}
```

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(189, 177, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 177, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0163, 0.3326, 0.3434 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(189, 177, 166) }
```

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

```
.border{ border-color:rgb(189, 177, 166) }
```

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

Here you see how a box with a 4 pixel rgb(189, 177, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 177, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 177, 166);  
box-shadow:4px 4px 4px 4px rgb(189, 177,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0163, 0.3326, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 177, 166) }
```

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

```
.background{ background-color: rgb(189,  
177, 166) }
```

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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