

# Converting Colors

$Yxy(43.0042, 0.3227, 0.3745)$

Have a look what the booklet for  
Yxy(43.0042, 0.3227, 0.3745)  
contains.

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# Color

**Yxy(43.0042, 0.3227, 0.3745)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A3B595
RGB	163, 181, 149
RGB Percent	64%, 71%, 58%
CMY	0.3607, 0.2902, 0.4158
CMYK	0.10, 0.00, 0.18, 0.29
HSL	94°, 18%, 65%
HSV	94°, 18%, 71%
XYZ	37.0560, 43.0042, 34.7708
YIQ	171.9700, -0.4560, -13.7680

# Conversions

## Conversions Part 2

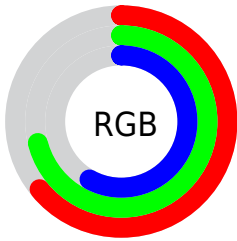
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 181, 167
Decimal	10728853
CIELab	71.56, -12.14, 14.26
CIELCh	72, 18.725, 130.409
Yxy	43.0042, 0.3227, 0.3745
Android (android.graphics.Color)	4288918933 (0xFFA3B595)
YUV	171.9700, -11.3242, -7.8667
Hunter-Lab	65.5776, -13.8957, 14.4673

# Details

The Yxy color  $43.0042, 0.3227, 0.3745$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $33.0329, 0.3011, 0.2841$ , and the grayscale version is  $41.2999, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.7856, 0.3210, 0.3660$ , and  $19.6997, 0.3252, 0.3888$  is the 20% darker color. If you saturate the color by 10%, you get  $41.4426, 0.3280, 0.4031$ , and if you desaturate by 10%, it is  $44.7455, 0.3171, 0.3479$ .

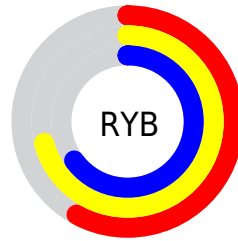
# Distribution



Red (64%)

Green (71%)

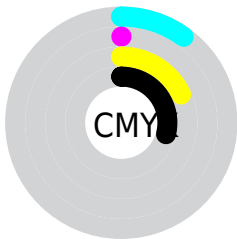
Blue (58%)



Red (58%)

Yellow (71%)

Blue (65%)

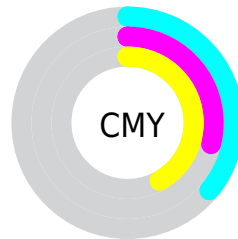


Cyan (10%)

Magenta (0%)

Yellow (18%)

Black (29%)



Cyan (36%)

Magenta (29%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0042, 0.3227, 0.3745 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 43.0042, 0.3227, 0.3745 by changing the saturation by 10% instead.





 43.0042, 0.3227,  
0.3745

 43.0042, 0.3227,  
0.3745


358.6290, 0.3179,  
0.3509

 29.8884, 0.3238,  
0.3807


 79.7172, 0.3210,  
0.3657

 19.7539, 0.3252,  
0.3887


 104.0832, 0.3204,  
0.3625

 12.2163, 0.3269,  
0.3998


132.9681, 0.3198,  
0.3598

 6.8912, 0.3290,  
0.4157

166.7562, 0.3193,  
0.3575

 3.3941, 0.3316,  
0.4408

205.8319, 0.3189,  
0.3555

 1.3408, 0.3468,  
0.5042

250.5797, 0.3185,

 0.1725, 0.0000,

0.3538

1.0000

301.3840, 0.3182,  
0.3523

0.0000, 0.0000,  
0.0000

43.0042, 0.3227,  
0.3745

43.0042, 0.3227,  
0.3745

41.4426, 0.3280,  
0.4031

44.7455, 0.3171,  
0.3479

40.0490, 0.3327,  
0.4330

46.6666, 0.3114,  
0.3236

38.8186, 0.3364,  
0.4635

48.7750, 0.3058,  
0.3016

37.7444, 0.3388,  
0.4931

51.0760, 0.3005,  
0.2819

36.8188, 0.3395,  
0.5205

53.5747, 0.2953,  
0.2644

■ 36.0333, 0.3382,  
0.5439

■ 56.1087, 0.2923,  
0.2511

■ 35.3784, 0.3349,  
0.5620

■ 57.7799, 0.3000,  
0.2529

■ 34.8405, 0.3299,  
0.5746

■ 59.5496, 0.3078,  
0.2547

■ 34.7284, 0.3288,  
0.5771

■ 61.4194, 0.3157,  
0.2564

# Harmonies

## Analogous

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



43.0042, 0.3475, 0.3756



43.0042, 0.3227, 0.3745



43.0042, 0.2960, 0.3595

# Triad

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



43.0042, 0.3227, 0.3745



43.0042, 0.2642, 0.2923



43.0042, 0.3521, 0.3212

# Complementary

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



43.0042, 0.3227, 0.3745



33.0329, 0.3011, 0.2841

# 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.



43.0042, 0.3283, 0.3012



43.0042, 0.3227, 0.3745



43.0042, 0.2778, 0.2846

# Square

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



43.0042, 0.3227, 0.3745



43.0042, 0.2630, 0.3106



43.0042, 0.3010, 0.2880



43.0042, 0.3652, 0.3438



# Rectangle

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



43.0042, 0.3227, 0.3745



43.0042, 0.2806, 0.3439



43.0042, 0.3010, 0.2880



43.0042, 0.3451, 0.3140

# Sweetspot

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



43.0061, 0.3227, 0.3745



81.0056, 0.3156, 0.3413



39.4796, 0.3421, 0.3533



17.4582, 0.3160, 0.3431



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.



43.0061, 0.3227, 0.3745



75.9640, 0.3247, 0.3847



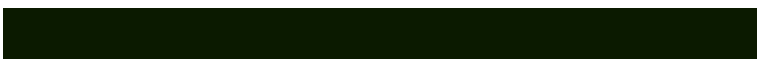
41.6551, 0.3093, 0.3738



9.6665, 0.3180, 0.3521



23.9812, 0.3297, 0.5764



0.7893, 0.3528, 0.5581



# Inverse Universe

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



33.0329, 0.3011, 0.2841



54.9555, 0.2982, 0.2741



34.5817, 0.3162, 0.2880



8.4574, 0.3070, 0.3061



4.2711, 0.2161, 0.0964



0.1682, 0.2451, 0.1124



# Previews

## White Background



This preview shows how the Yxy color 43.0042, 0.3227, 0.3745 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 43.0042, 0.3227, 0.3745 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

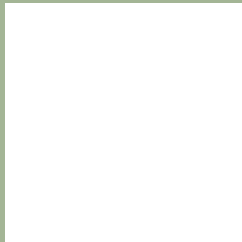
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.0042, 0.3227, 0.3745**

## Background



This preview shows how black text looks on a background with the Yxy color 43.0042, 0.3227, 0.3745.



This preview shows how white text looks on a background with the Yxy color 43.0042, 0.3227, 0.3745.

# 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

43.0042, 0.3227, 0.3745

### Protanopia

43.0496, 0.3465, 0.3681

### Deuteranopia

42.9223, 0.3572, 0.3510



## Tritanopia

42.7691, 0.2964, 0.3102

# Trichromacy



## Original Color

43.0042, 0.3227, 0.3745

## Protanomaly

42.8980, 0.3377, 0.3703

## Deuteranomaly

42.6863, 0.3445, 0.3585

## Tritanomaly

42.7158, 0.3065, 0.3331

# Monochromacy



## Original Color

43.0042, 0.3227, 0.3745

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.7753, 0.3164, 0.3443

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.0042, 0.3227, 0.3745 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(163, 181, 149)` looks like.

```
.text, #text, p{  
    color:rgb(163, 181, 149)  
}
```

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(163, 181, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 181, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 43.0042, 0.3227, 0.3745 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(163, 181, 149) }
```

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

```
.border{ border-color:rgb(163, 181, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 181, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 181, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 181, 149);  
box-shadow:4px 4px 4px 4px rgb(163, 181,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.0042, 0.3227, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 181, 149) }
```

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

```
.background{ background-color: rgb(163,  
181, 149) }
```

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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