

# Converting Colors

$Y_{xy}(42.5493, 0.3171, 0.3342)$

Have a look what the booklet for  
Yxy(42.5493, 0.3171, 0.3342)  
contains.

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# Color

**Yxy(42.4425, 0.3170, 0.3331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0AEAB
RGB	176, 174, 171
RGB Percent	69%, 68%, 67%
CMY	0.3098, 0.3176, 0.3295
CMYK	0.00, 0.01, 0.03, 0.31
HSL	36°, 3%, 68%
HSV	36°, 3%, 69%
XYZ	40.3911, 42.4425, 44.5831
YIQ	174.2560, 2.1550, -0.5090

# Conversions

## Conversions Part 2

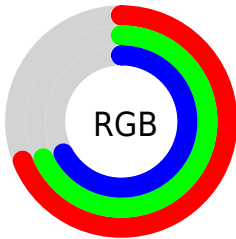
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 176, 171
Decimal	11579051
CIELab	71.17, 0.16, 1.79
CIElCh	71, 1.795, 84.964
Yxy	42.4425, 0.3170, 0.3331
Android (android.graphics.Color)	4289769131 (0xFFB0AEAB)
YUV	174.2560, -1.6052, 1.5295
Hunter-Lab	65.1479, -3.3405, 5.0292

# Details

The Yxy color **42.4425, 0.3170, 0.3331** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.6738, 0.3085, 0.3249**, and the grayscale version is **42.4744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6854, 0.3167, 0.3322**, and **19.5361, 0.3186, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **39.1748, 0.3332, 0.3480**, and if you desaturate by 10%, it is **45.9451, 0.3026, 0.3191**.

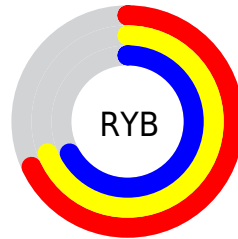
# Distribution



Red (69%)

Green (68%)

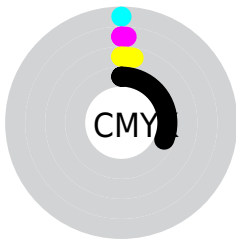
Blue (67%)



Red (68%)

Yellow (69%)

Blue (67%)

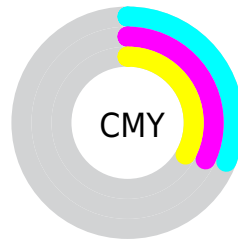


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (31%)



Cyan (31%)

Magenta (32%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4425, 0.3170, 0.3331 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 42.4425, 0.3170, 0.3331 by changing the saturation by 10% instead.



■ 42.4425, 0.3170,  
0.3331

■ 42.4425, 0.3170,  
0.3331

356.3140, 0.3148,  
0.3310

■ 29.4479, 0.3176,  
0.3336

■ 78.8689, 0.3162,  
0.3323

■ 19.4199, 0.3183,  
0.3343

103.0695, 0.3159,  
0.3321

■ 11.9741, 0.3192,  
0.3352

131.7743, 0.3157,  
0.3318

■ 6.7260, 0.3206,  
0.3366

165.3676, 0.3154,  
0.3316

■ 3.2914, 0.3228,  
0.3386

204.2338, 0.3153,  
0.3314

■ 1.2857, 0.3265,  
0.3421

248.7573, 0.3151,

■ 0.1301, 0.4649,

0.3313

0.4744

299.3226, 0.3150,  
0.3311

0.0000, 0.0000,  
0.0000

42.4425, 0.3170,  
0.3331

42.4425, 0.3170,  
0.3331

39.1748, 0.3332,  
0.3480

45.9451, 0.3026,  
0.3191

36.1308, 0.3512,  
0.3636

49.6824, 0.2899,  
0.3060

33.3064, 0.3710,  
0.3794

53.6616, 0.2786,  
0.2939

30.6954, 0.3925,  
0.3950

57.8875, 0.2686,  
0.2828

28.2912, 0.4151,  
0.4094

62.1056, 0.2620,  
0.2768

■ 26.0864, 0.4382,  
0.4217

■ 65.6296, 0.2629,  
0.2850

■ 24.0735, 0.4608,  
0.4308

■ 69.3073, 0.2639,  
0.2932

■ 22.2438, 0.4816,  
0.4354

■ 73.1407, 0.2649,  
0.3013

■ 20.5874, 0.4996,  
0.4350

■ 77.1315, 0.2658,  
0.3092

# Harmonies

## Analogous

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



42.4425, 0.3178, 0.3316



42.4425, 0.3170, 0.3331



42.4425, 0.3151, 0.3335

# Triad

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



42.4425, 0.3170, 0.3331



42.4425, 0.3083, 0.3286



42.4425, 0.3129, 0.3254

# Complementary

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



42.4425, 0.3170, 0.3331



41.6738, 0.3085, 0.3249

# 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.



42.4425, 0.3104, 0.3246



42.4425, 0.3170, 0.3331



42.4425, 0.3077, 0.3264

# Square

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



42.4425, 0.3170, 0.3331



42.4425, 0.3100, 0.3309



42.4425, 0.3085, 0.3249



42.4425, 0.3154, 0.3272



# Rectangle

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



42.4425, 0.3170, 0.3331



42.4425, 0.3134, 0.3331



42.4425, 0.3085, 0.3249



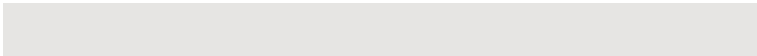
42.4425, 0.3121, 0.3250

# Sweetspot

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



42.4443, 0.3170, 0.3331



78.1067, 0.3142, 0.3305



41.3679, 0.3156, 0.3263



16.9345, 0.3141, 0.3304



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



42.4443, 0.3170, 0.3331



76.8508, 0.3173, 0.3334



43.1660, 0.3164, 0.3358



9.7539, 0.3183, 0.3344



14.4209, 0.5098, 0.4334



0.5641, 0.4784, 0.4583

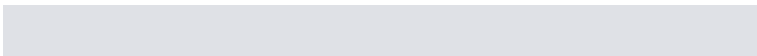


# Inverse Universe

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



41.6738, 0.3085, 0.3249



75.3581, 0.3082, 0.3246



40.9676, 0.3090, 0.3221



9.5220, 0.3071, 0.3236



5.6409, 0.1690, 0.1285



0.2932, 0.1851, 0.1863



# Previews

## White Background



This preview shows how the Yxy color 42.4425, 0.3170, 0.3331 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 42.4425, 0.3170, 0.3331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

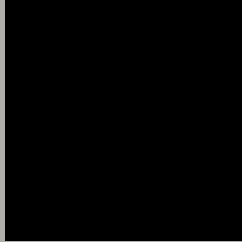
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

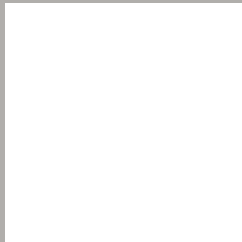
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.4425, 0.3170, 0.3331**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.4425, 0.3170, 0.3331.



This preview shows how white text looks on a background with the Yxy color 42.4425, 0.3170, 0.3331.

# 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

42.4425, 0.3170, 0.3331

### Protanopia

42.2924, 0.3189, 0.3317

### Deuteranopia

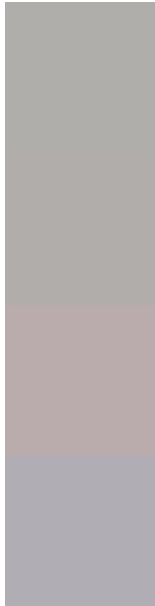
42.5610, 0.3314, 0.3252



## Tritanopia

42.4728, 0.3073, 0.3118

# Trichromacy



## Original Color

42.4425, 0.3170, 0.3331

## Protanomaly

42.1745, 0.3180, 0.3317

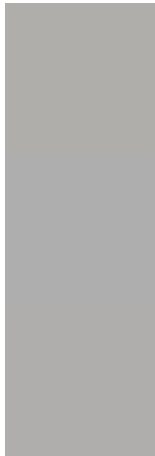
## Deuteranomaly

42.5435, 0.3255, 0.3277

## Tritanomaly

42.5295, 0.3105, 0.3196

# Monochromacy



## Original Color

42.4425, 0.3170, 0.3331

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

42.4032, 0.3144, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.4425, 0.3170, 0.3331 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(176, 174, 171)` looks like.

```
.text, #text, p{  
    color:rgb(176, 174, 171)  
}
```

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(176, 174, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 42.4425, 0.3170, 0.3331 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(176, 174, 171) }
```

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

```
.border{ border-color:rgb(176, 174, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 174, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 171);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.4425, 0.3170, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 174, 171) }
```

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

```
.background{ background-color: rgb(176,  
174, 171) }
```

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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