

# Converting Colors

$Yxy(42.4165, 0.3384, 0.3519)$

Have a look what the booklet for  
Yxy(42.4165, 0.3384, 0.3519)  
contains.

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# Color

**Yxy(42.6017, 0.3382, 0.3519)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B9AD9C
RGB	185, 173, 156
RGB Percent	73%, 68%, 61%
CMY	0.2747, 0.3215, 0.3882
CMYK	0.00, 0.06, 0.16, 0.27
HSL	35°, 17%, 67%
HSV	35°, 16%, 73%
XYZ	40.9432, 42.6017, 37.5171
YIQ	174.6500, 12.6090, -2.7430

# Conversions

## Conversions Part 2

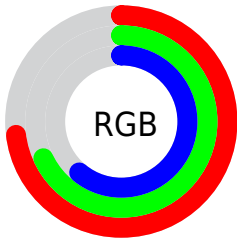
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">176, 185, 156</a>
Decimal	<a href="#">12168604</a>
CIELab	<a href="#">71.28, 1.39, 10.28</a>
CIELCh	<a href="#">71, 10.371, 82.280</a>
Yxy	<a href="#">42.6017, 0.3382, 0.3519</a>
Android (android.graphics.Color)	<a href="#">4290358684 (0xFFB9AD9C)</a>
YUV	<a href="#">174.6500, -9.1944, 9.0770</a>
Hunter-Lab	<a href="#">65.2700, -2.2513, 11.6092</a>

# Details

The Yxy color  $42.6017, 0.3382, 0.3519$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $38.5490, 0.2884, 0.3050$ , and the grayscale version is  $42.7210, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.8407, 0.3337, 0.3478$ , and  $19.6002, 0.3459, 0.3586$  is the 20% darker color. If you saturate the color by 10%, you get  $39.1831, 0.3569, 0.3673$ , and if you desaturate by 10%, it is  $46.2863, 0.3214, 0.3370$ .

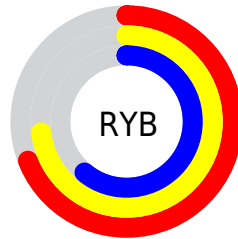
# Distribution



Red (73%)

Green (68%)

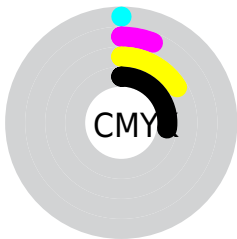
Blue (61%)



Red (69%)

Yellow (73%)

Blue (61%)

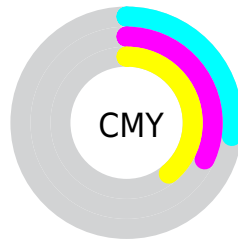


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (27%)



Cyan (27%)

Magenta (32%)


Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6017, 0.3382, 0.3519 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 42.6017, 0.3382, 0.3519 by changing the saturation by 10% instead.





 42.6017, 0.3382,  
0.3519

 42.6017, 0.3382,  
0.3519


356.9712, 0.3252,  
0.3403

 29.5727, 0.3415,  
0.3548

 79.1095, 0.3334,  
0.3477

 19.5145, 0.3458,  
0.3586


 103.3570, 0.3317,  
0.3461

 12.0426, 0.3515,  
0.3637

132.1130, 0.3302,  
0.3448

 6.7727, 0.3597,  
0.3708

165.7616, 0.3289,  
0.3436

 3.3204, 0.3721,  
0.3815

204.6873, 0.3278,  
0.3426

 1.3012, 0.3974,  
0.4036

249.2746, 0.3268,

 0.1421, 0.5433,

0.3418

0.4567

299.9077, 0.3260,  
0.3410

0.0000, 0.0000,  
0.0000

42.6017, 0.3382,  
0.3519

42.6017, 0.3382,  
0.3519

39.1831, 0.3569,  
0.3673

46.2863, 0.3214,  
0.3370

36.0177, 0.3775,  
0.3829

50.2380, 0.3064,  
0.3230

33.1000, 0.3998,  
0.3980

54.4651, 0.2932,  
0.3099

30.4221, 0.4231,  
0.4116

58.9736, 0.2816,  
0.2978

27.9755, 0.4468,  
0.4229

63.7696, 0.2713,  
0.2867

■ 25.7507, 0.4697,  
0.4305

■ 68.0635, 0.2685,  
0.2887

■ 23.7375, 0.4904,  
0.4333

■ 72.1264, 0.2694,  
0.2974

■ 21.9234, 0.5080,  
0.4310

■ 76.3738, 0.2703,  
0.3059

■ 21.1877, 0.5152,  
0.4291

■ 80.8078, 0.2711,  
0.3144

# Harmonies

## Analogous

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



42.6017, 0.3423, 0.3425



42.6017, 0.3382, 0.3519



42.6017, 0.3272, 0.3553

# Triad

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



42.6017, 0.3382, 0.3519



42.6017, 0.2878, 0.3272



42.6017, 0.3123, 0.3080

# Complementary

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



42.6017, 0.3382, 0.3519



38.5490, 0.2884, 0.3050

# 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.



42.6017, 0.2979, 0.3038



42.6017, 0.3382, 0.3519



42.6017, 0.2840, 0.3145

# Square

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



42.6017, 0.3382, 0.3519



42.6017, 0.2982, 0.3409



42.6017, 0.2877, 0.3061



42.6017, 0.3272, 0.3175



# Rectangle

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



42.6017, 0.3382, 0.3519



42.6017, 0.3176, 0.3535



42.6017, 0.2877, 0.3061



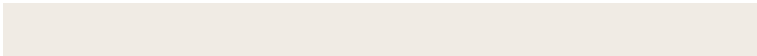
42.6017, 0.3073, 0.3060

# Sweetspot

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



42.6036, 0.3382, 0.3519



83.3381, 0.3205, 0.3362



36.9149, 0.3301, 0.3128



17.8631, 0.3216, 0.3372



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.



42.6036, 0.3382, 0.3519



74.0511, 0.3448, 0.3575



47.0891, 0.3337, 0.3675



9.8659, 0.3274, 0.3424



14.5813, 0.5136, 0.4304



0.6328, 0.4833, 0.4545



# Inverse Universe

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



38.5490, 0.2884, 0.3050



65.3151, 0.2824, 0.2988



34.5889, 0.2899, 0.2879



9.3111, 0.2985, 0.3152



6.0639, 0.1701, 0.1322

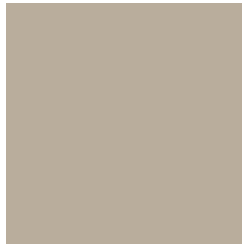


0.3365, 0.1846, 0.1847



# Previews

## White Background



This preview shows how the Yxy color 42.6017, 0.3382, 0.3519 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 42.6017, 0.3382, 0.3519 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

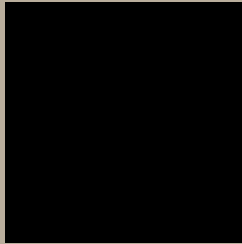
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

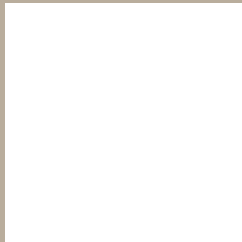
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.6017, 0.3382, 0.3519**

## Background



This preview shows how black text looks on a background with the Yxy color 42.6017, 0.3382, 0.3519.



This preview shows how white text looks on a background with the Yxy color 42.6017, 0.3382, 0.3519.

# 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

42.6017, 0.3382, 0.3519

### Protanopia

42.6515, 0.3344, 0.3520

### Deuteranopia

42.4454, 0.3509, 0.3433



## Tritanopia

42.4447, 0.3190, 0.3121

# Trichromacy



## Original Color

42.6017, 0.3382, 0.3519

## Protanomaly

42.7737, 0.3353, 0.3520

## Deuteranomaly

42.5212, 0.3456, 0.3461

## Tritanomaly

42.3314, 0.3257, 0.3251

# Monochromacy



## Original Color

42.6017, 0.3382, 0.3519

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

42.6830, 0.3222, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.6017, 0.3382, 0.3519 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(185, 173, 156)` looks like.

```
.text, #text, p{  
    color:rgb(185, 173, 156)  
}
```

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(185, 173, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 173, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 42.6017, 0.3382, 0.3519 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(185, 173, 156) }
```

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

```
.border{ border-color:rgb(185, 173, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 173, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 173, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 173, 156);  
box-shadow:4px 4px 4px 4px rgb(185, 173,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.6017, 0.3382, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 173, 156) }
```

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

```
.background{ background-color: rgb(185,  
173, 156) }
```

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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