

# Converting Colors

$Y_{xy}(50.5998, 0.3505, 0.3384)$

Have a look what the booklet for  
Yxy(50.5998, 0.3505, 0.3384)  
contains.

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# Color

**Yxy(50.6638, 0.3502, 0.3387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8B5AD
RGB	216, 181, 173
RGB Percent	85%, 71%, 68%
CMY	0.1529, 0.2902, 0.3217
CMYK	0.00, 0.16, 0.20, 0.15
HSL	11°, 36%, 76%
HSV	11°, 20%, 85%
XYZ	52.3840, 50.6638, 46.5353
YIQ	190.5530, 23.4280, 4.9320

# Conversions

## Conversions Part 2

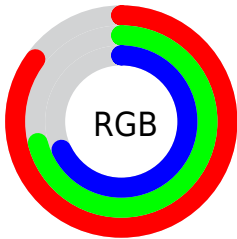
Format	Color
R <sub>Y</sub> B	216, 183, 173
Decimal	14202285
CIE Lab	76.47, 11.34, 8.79
CIE LCh	76, 14.350, 37.767
Yxy	50.6638, 0.3502, 0.3387
Android (android.graphics.Color)	4292392365 (0xFFD8B5AD)
YUV	190.5530, -8.6536, 22.3170
Hunter-Lab	71.1785, 6.8051, 11.0622

# Details

The Yxy color **50.6638, 0.3502, 0.3387** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **58.9332, 0.2825, 0.3191**, and the grayscale version is **51.8693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4298, 0.3306, 0.3379**, and **24.3959, 0.3608, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **43.1976, 0.3751, 0.3439**, and if you desaturate by 10%, it is **59.1704, 0.3296, 0.3337**.

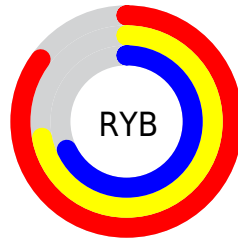
# Distribution



Red (85%)

Green (71%)

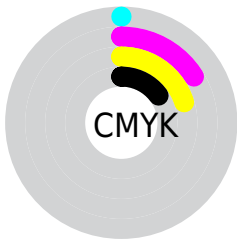
Blue (68%)



Red (85%)

Yellow (72%)

Blue (68%)

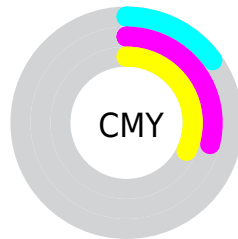


Cyan (0%)

Magenta (16%)

Yellow (20%)

Black (15%)



Cyan (15%)

Magenta (29%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6638, 0.3502, 0.3387 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 50.6638, 0.3502, 0.3387 by changing the saturation by 10% instead.




 50.6638, 0.3502,  
0.3387

 50.6638, 0.3502,  
0.3387

389.2562, 0.3316,  
0.3342

 35.9411, 0.3548,  
0.3397

 91.1576, 0.3435,  
0.3371

 24.3887, 0.3607,  
0.3410


117.6975, 0.3409,  
0.3365

 15.6222, 0.3685,  
0.3426


148.9453, 0.3388,  
0.3360

 9.2572, 0.3793,  
0.3446

185.2854, 0.3369,  
0.3355

 4.9093, 0.3952,  
0.3472

227.1021, 0.3353,  
0.3351

 2.1942, 0.4209,  
0.3505

274.7799, 0.3339,

 0.7168, 0.5219,

0.3348

0.3882

328.7031, 0.3327,  
0.3345

0.0000, 0.0000,  
0.0000

50.6638, 0.3502,  
0.3387

50.6638, 0.3502,  
0.3387

43.1976, 0.3751,  
0.3439

59.1704, 0.3296,  
0.3337

36.7249, 0.4049,  
0.3491

68.7482, 0.3126,  
0.3290

31.2057, 0.4398,  
0.3538

79.4353, 0.2986,  
0.3246

26.5944, 0.4792,  
0.3572

90.9812, 0.2893,  
0.3251

22.8416, 0.5213,  
0.3586

93.3398, 0.2894,  
0.3289

■ 19.8930, 0.5621,  
0.3570

■ 17.6881, 0.5966,  
0.3520

■ 16.1507, 0.6212,  
0.3448

■ 16.1414, 0.6214,  
0.3448

# Harmonies

## Analogous

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



50.6638, 0.3400, 0.3220



50.6638, 0.3502, 0.3387



50.6638, 0.3499, 0.3535

# Triad

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



50.6638, 0.3502, 0.3387



50.6638, 0.3023, 0.3521



50.6638, 0.2861, 0.2966

# Complementary

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



50.6638, 0.3502, 0.3387



58.9332, 0.2825, 0.3191

# 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.



50.6638, 0.2767, 0.3034



50.6638, 0.3502, 0.3387



50.6638, 0.2859, 0.3354

# Square

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



50.6638, 0.3502, 0.3387



50.6638, 0.3219, 0.3621



50.6638, 0.2766, 0.3174



50.6638, 0.3026, 0.2982



# Rectangle

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



50.6638, 0.3502, 0.3387



50.6638, 0.3439, 0.3603



50.6638, 0.2766, 0.3174



50.6638, 0.2820, 0.2979

# Sweetspot

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



50.6661, 0.3502, 0.3387



91.3706, 0.3226, 0.3318



49.0336, 0.3215, 0.2884



19.3636, 0.3238, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



50.6661, 0.3502, 0.3387



68.9205, 0.3603, 0.3409



60.0336, 0.3455, 0.3634



12.7924, 0.3286, 0.3334



9.6697, 0.6192, 0.3466



0.6970, 0.5869, 0.3722



# Inverse Universe

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



58.9332, 0.2825, 0.3191



83.1036, 0.2762, 0.3167



49.2076, 0.2808, 0.2921



13.6950, 0.2983, 0.3245



21.3799, 0.2079, 0.2684



1.3939, 0.2111, 0.2800



# Previews

## White Background



This preview shows how the Yxy color 50.6638, 0.3502, 0.3387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

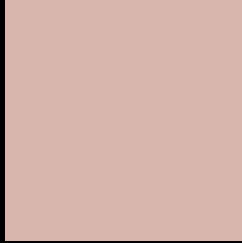
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.6638, 0.3502, 0.3387 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

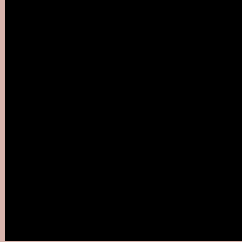
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.6638, 0.3502, 0.3387**

## Background



This preview shows how black text looks on a background with the Yxy color 50.6638, 0.3502, 0.3387.



This preview shows how white text looks on a background with the Yxy color 50.6638, 0.3502, 0.3387.

# 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

50.6638, 0.3502, 0.3387

### Protanopia

50.7429, 0.3272, 0.3428

### Deuteranopia

50.6192, 0.3473, 0.3399



## Tritanopia

50.5520, 0.3362, 0.3127

# Trichromacy



## Original Color

50.6638, 0.3502, 0.3387

## Protanomaly

50.5290, 0.3353, 0.3402

## Deuteranomaly

50.7692, 0.3482, 0.3399

## Tritanomaly

50.4947, 0.3411, 0.3220

# Monochromacy



## Original Color

50.6638, 0.3502, 0.3387

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

51.2807, 0.3260, 0.3327

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.6638, 0.3502, 0.3387 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(216, 181, 173)` looks like.

```
.text, #text, p{  
    color:rgb(216, 181, 173)  
}
```

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(216, 181, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 181, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 50.6638, 0.3502, 0.3387 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(216, 181, 173) }
```

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

```
.border{ border-color:rgb(216, 181, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 181, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 181, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 181, 173);  
box-shadow:4px 4px 4px 4px rgb(216, 181,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.6638, 0.3502, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 181, 173) }
```

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

```
.background{ background-color: rgb(216,  
181, 173) }
```

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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