

# Converting Colors

$Y_{xy}(43.4175, 0.3174, 0.2833)$

Have a look what the booklet for  
Yxy(43.4175, 0.3174, 0.2833)  
contains.

<b>Yxy(43.2488, 0.3176, 0.2830)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.2488, 0.3176, 0.2830)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCA3C9
RGB	204, 163, 201
RGB Percent	80%, 64%, 79%
CMY	0.2001, 0.3607, 0.2118
CMYK	0.00, 0.20, 0.01, 0.20
HSL	304°, 29%, 72%
HSV	304°, 20%, 80%
XYZ	48.5365, 43.2488, 61.0374
YIQ	179.5910, 12.2380, 20.5100

# Conversions

## Conversions Part 2

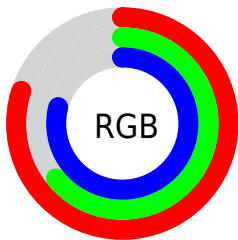
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 163, 201
Decimal	13411273
CIE <sub>Lab</sub>	71.72, 21.53, -13.66
CIE <sub>LCh</sub>	72, 25.499, 327.607
Yxy	43.2488, 0.3176, 0.2830
Android (android.graphics.Color)	4291601353 (0xFFCCA3C9)
YUV	179.5910, 10.5546, 21.4067
Hunter-Lab	65.7638, 16.6538, -8.9941

# Details

The Yxy color **43.2488, 0.3176, 0.2830** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.7197, 0.3081, 0.3798**, and the grayscale version is **45.3490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **19.8650, 0.3180, 0.2706** is the 20% darker color. If you saturate the color by 10%, you get **36.5111, 0.3204, 0.2598**, and if you desaturate by 10%, it is **51.1593, 0.3150, 0.3062**.

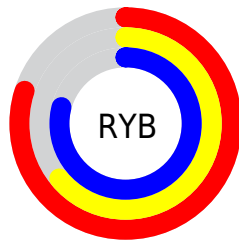
# Distribution



Red (80%)

Green (64%)

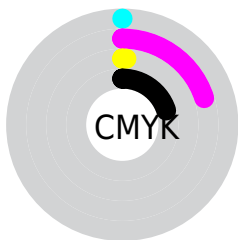
Blue (79%)



Red (80%)

Yellow (64%)

Blue (79%)

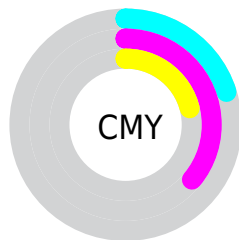


Cyan (0%)

Magenta (20%)

Yellow (1%)

Black (20%)



Cyan (20%)

Magenta (36%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2488, 0.3176, 0.2830 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 43.2488, 0.3176, 0.2830 by changing the saturation by 10% instead.





 43.2488, 0.3176,  
0.2830


 43.2488, 0.3176,  
0.2830


359.6340, 0.3155,  
0.3054

 30.0804, 0.3180,  
0.2776


 80.0862, 0.3169,  
0.2910

 19.8996, 0.3185,  
0.2707


 104.5239, 0.3166,  
0.2941

 12.3221, 0.3191,  
0.2617


133.4869, 0.3164,  
0.2967

 6.9634, 0.3197,  
0.2495

167.3595, 0.3162,  
0.2989

 3.4392, 0.3203,  
0.2321

206.5261, 0.3160,  
0.3009

 1.3651, 0.3204,  
0.2050

251.3711, 0.3158,

 0.1908, 0.3408,

0.3026

0.0920

302.2789, 0.3156,  
0.3041

0.0000, 0.0000,  
0.0000

43.2488, 0.3176,  
0.2830

43.2488, 0.3176,  
0.2830

36.5111, 0.3204,  
0.2598

51.1593, 0.3150,  
0.3062

30.8846, 0.3233,  
0.2373

60.2891, 0.3127,  
0.3288

26.3107, 0.3264,  
0.2166


70.6891, 0.3107,  
0.3504


22.7231, 0.3295,  
0.1985


82.4056, 0.3089,  
0.3706

20.0482, 0.3325,  
0.1839


88.9314, 0.3076,  
0.3795


 18.2018, 0.3354,  
0.1735


 89.0055, 0.3068,  
0.3778

 17.0842, 0.3380,  
0.1674

 89.0803, 0.3060,  
0.3761

 16.5112, 0.3403,  
0.1648

 89.1558, 0.3052,  
0.3744

 89.2320, 0.3043,  
0.3728

# Harmonies

## Analogous

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



43.2488, 0.2821, 0.2706



43.2488, 0.3176, 0.2830



43.2488, 0.3537, 0.3060

# Triad

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



43.2488, 0.3176, 0.2830



43.2488, 0.3709, 0.3869



43.2488, 0.2504, 0.3170

# Complementary

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



43.2488, 0.3176, 0.2830



53.7197, 0.3081, 0.3798

# 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.



43.2488, 0.2718, 0.3525



43.2488, 0.3176, 0.2830



43.2488, 0.3410, 0.3946

# Square

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



43.2488, 0.3176, 0.2830



43.2488, 0.3853, 0.3644



43.2488, 0.3046, 0.3821



43.2488, 0.2450, 0.2878



# Rectangle

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



43.2488, 0.3176, 0.2830



43.2488, 0.3724, 0.3251



43.2488, 0.3046, 0.3821



43.2488, 0.2559, 0.3286

# Sweetspot

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



43.2507, 0.3176, 0.2830



90.5517, 0.3141, 0.3154



38.6377, 0.2818, 0.2744



19.1715, 0.3142, 0.3139



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.



43.2507, 0.3176, 0.2830



66.6893, 0.3188, 0.2731



42.3611, 0.3356, 0.3070



11.3890, 0.3149, 0.3078



10.4002, 0.3400, 0.1647



0.5409, 0.3359, 0.1624



# Inverse Universe

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



43.2507, 0.3176, 0.2830



66.6893, 0.3188, 0.2731



54.5210, 0.2945, 0.3522



11.3890, 0.3149, 0.3078



10.4002, 0.3400, 0.1647

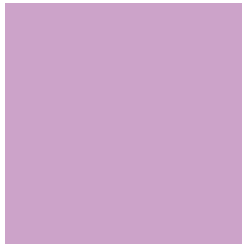


0.5409, 0.3359, 0.1624



# Previews

## White Background



This preview shows how the Yxy color 43.2488, 0.3176, 0.2830 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

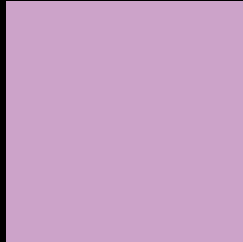
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.2488, 0.3176, 0.2830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

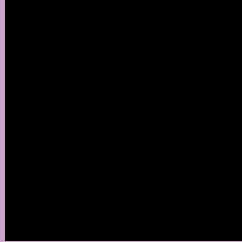
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.2488, 0.3176, 0.2830**

## Background



This preview shows how black text looks on a background with the Yxy color 43.2488, 0.3176, 0.2830.



This preview shows how white text looks on a background with the Yxy color 43.2488, 0.3176, 0.2830.

# 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

43.2488, 0.3176, 0.2830

### Protanopia

43.3106, 0.2816, 0.2836

### Deuteranopia

43.1944, 0.2996, 0.2930



## Tritanopia

43.3502, 0.3329, 0.3127

# Trichromacy



## Original Color

43.2488, 0.3176, 0.2830

## Protanomaly

43.1508, 0.2942, 0.2833

## Deuteranomaly

43.1225, 0.3058, 0.2887

## Tritanomaly

43.4598, 0.3268, 0.3018

# Monochromacy



## Original Color

43.2488, 0.3176, 0.2830

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

44.7218, 0.3144, 0.3111

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2488, 0.3176, 0.2830 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(204, 163, 201)` looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 201)  
}
```

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(204, 163, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2488, 0.3176, 0.2830 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(204, 163, 201) }
```

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

```
.border{ border-color:rgb(204, 163, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 163, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 201);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2488, 0.3176, 0.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 201) }
```

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

```
.background{ background-color: rgb(204,  
163, 201) }
```

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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