

# Converting Colors

$Y_{xy}(44.1510, 0.3291, 0.2827)$

Have a look what the booklet for  
Yxy(44.1510, 0.3291, 0.2827)  
contains.

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# Color

**Yxy(44.2588, 0.3296, 0.2833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8A1C8
RGB	216, 161, 200
RGB Percent	85%, 63%, 78%
CMY	0.1529, 0.3686, 0.2157
CMYK	0.00, 0.25, 0.07, 0.15
HSL	317°, 41%, 74%
HSV	317°, 25%, 85%
XYZ	51.4921, 44.2588, 60.4750
YIQ	181.8910, 20.2610, 23.7890

# Conversions

## Conversions Part 2

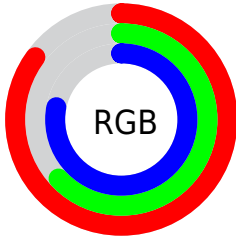
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 161, 200
Decimal	14197192
CIE Lab	72.40, 26.56, -11.98
CIE LCh	72, 29.142, 335.717
Yxy	44.2588, 0.3296, 0.2833
Android (android.graphics.Color)	4292387272 (0xFFD8A1C8)
YUV	181.8910, 8.9277, 29.9136
Hunter-Lab	66.5273, 21.7361, -7.3271

# Details

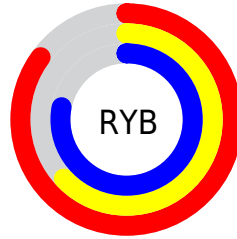
The Yxy color **44.2588, 0.3296, 0.2833** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.8699, 0.2992, 0.3796**, and the grayscale version is **46.6605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **20.5897, 0.3346, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **37.0641, 0.3382, 0.2649**, and if you desaturate by 10%, it is **52.7737, 0.3222, 0.3017**.

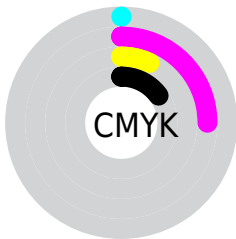
# Distribution



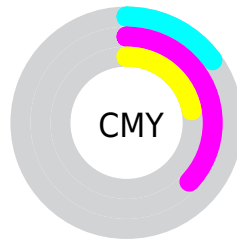
- Red (85%)
- Green (63%)
- Blue (78%)



- Red (85%)
- Yellow (63%)
- Blue (78%)



- Cyan (0%)
- Magenta (25%)
- Yellow (7%)
- Black (15%)



- Cyan (15%)
- Magenta (37%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2588, 0.3296, 0.2833 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 44.2588, 0.3296, 0.2833 by changing the saturation by 10% instead.





 44.2588, 0.3296,  
0.2833


 44.2588, 0.3296,  
0.2833


363.7633, 0.3215,  
0.3055

 30.8740, 0.3315,  
0.2780


 81.6070, 0.3267,  
0.2912

 20.5029, 0.3339,  
0.2712


 106.3393, 0.3256,  
0.2942

 12.7612, 0.3371,  
0.2625


135.6228, 0.3247,  
0.2968

 7.2643, 0.3413,  
0.2506

169.8420, 0.3239,  
0.2990

 3.6279, 0.3471,  
0.2337

209.3812, 0.3232,  
0.3009

 1.4677, 0.3559,  
0.2078

254.6249, 0.3225,


 0.2658, 0.3916,


0.3026


0.1153

305.9575, 0.3220,  
0.3041


 0.0000, 0.0000,  
0.0000

 44.2588, 0.3296,  
0.2833

 44.2588, 0.3296,  
0.2833


 37.0641, 0.3382,  
0.2649

 52.7737, 0.3222,  
0.3017

 31.1164, 0.3479,  
0.2472


 62.6653, 0.3158,  
0.3196


 26.3447, 0.3587,  
0.2312

 73.9938, 0.3104,  
0.3366

 22.6679, 0.3704,  
0.2179

 86.8143, 0.3058,  
0.3525

 19.9952, 0.3826,  
0.2084

 91.9149, 0.3022,  
0.3535

■ 18.2205, 0.3949,  
0.2034

■ 92.2773, 0.2987,  
0.3468

■ 17.2140, 0.4069,  
0.2035

■ 92.6527, 0.2953,  
0.3403

■ 16.9060, 0.4123,  
0.2045

■ 93.0411, 0.2919,  
0.3338

■ 93.3409, 0.2894,  
0.3289

# Harmonies

## Analogous

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



44.2588, 0.2880, 0.2658



44.2588, 0.3296, 0.2833



44.2588, 0.3687, 0.3113

# Triad

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



44.2588, 0.3296, 0.2833



44.2588, 0.3705, 0.3989



44.2588, 0.2391, 0.3049

# Complementary

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



44.2588, 0.3296, 0.2833



59.8699, 0.2992, 0.3796

# 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.



44.2588, 0.2583, 0.3446



44.2588, 0.3296, 0.2833



44.2588, 0.3335, 0.4024

# Square

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



44.2588, 0.3296, 0.2833



44.2588, 0.3927, 0.3765



44.2588, 0.2924, 0.3821



44.2588, 0.2381, 0.2757



# Rectangle

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



44.2588, 0.3296, 0.2833



44.2588, 0.3869, 0.3333



44.2588, 0.2924, 0.3821



44.2588, 0.2435, 0.3174

# Sweetspot

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



44.2608, 0.3296, 0.2833



87.2914, 0.3173, 0.3150



39.7467, 0.2817, 0.2593



18.2050, 0.3183, 0.3123



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.



44.2608, 0.3296, 0.2833



58.1172, 0.3345, 0.2725



43.1044, 0.3549, 0.3147



12.5682, 0.3182, 0.3126



10.0249, 0.4106, 0.2036



0.6187, 0.3915, 0.1930



# Inverse Universe

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



44.2608, 0.3296, 0.2833



58.1172, 0.3345, 0.2725



61.0594, 0.2825, 0.3439



12.5682, 0.3182, 0.3126



10.0249, 0.4106, 0.2036



0.6187, 0.3915, 0.1930



# Previews

## White Background



This preview shows how the Yxy color 44.2588, 0.3296, 0.2833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

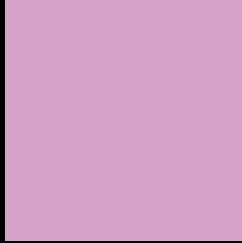
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.2588, 0.3296, 0.2833 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

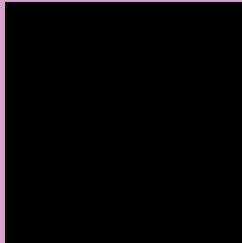
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.2588, 0.3296, 0.2833**

## Background



This preview shows how black text looks on a background with the Yxy color 44.2588, 0.3296, 0.2833.



This preview shows how white text looks on a background with the Yxy color 44.2588, 0.3296, 0.2833.

# 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

44.2588, 0.3296, 0.2833

### Protanopia

44.3617, 0.2826, 0.2852

### Deuteranopia

44.4035, 0.3038, 0.2972



## Tritanopia

44.2708, 0.3463, 0.3133

# Trichromacy



**Original Color**

44.2588, 0.3296, 0.2833

**Protanomaly**

44.1468, 0.2984, 0.2851

**Deuteranomaly**

44.3698, 0.3127, 0.2919

**Tritanomaly**

44.3922, 0.3400, 0.3027

# Monochromacy



**Original Color**

44.2588, 0.3296, 0.2833

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

45.4156, 0.3180, 0.3101

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2588, 0.3296, 0.2833 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, 161, 200)` looks like.

```
.text, #text, p{  
    color:rgb(216, 161, 200)  
}
```

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, 161, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 161, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2588, 0.3296, 0.2833 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, 161, 200) }
```

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

```
.border{ border-color:rgb(216, 161, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 161, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 161, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 161, 200); box-shadow:4px 4px 4px 4px rgb(216, 161, 200) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2588, 0.3296, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 161, 200) }
```

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

```
.background{ background-color: rgb(216,  
161, 200) }
```

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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