

# Converting Colors

$Yxy(44.9440, 0.3188, 0.2753)$

Have a look what the booklet for  
Yxy(44.9440, 0.3188, 0.2753)  
contains.

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# Color

**Yxy(44.9440, 0.3188, 0.2753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5A3D1
RGB	213, 163, 209
RGB Percent	84%, 64%, 82%
CMY	0.1647, 0.3608, 0.1803
CMYK	0.00, 0.23, 0.02, 0.16
HSL	305°, 37%, 74%
HSV	305°, 23%, 84%
XYZ	52.0456, 44.9440, 66.2651
YIQ	183.1940, 15.0340, 24.9060

# Conversions

## Conversions Part 2

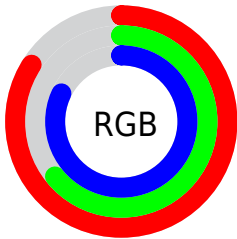
Format	Color
R <sub>Y</sub> B	213, 163, 209
Decimal	14001105
CIE Lab	72.86, 26.06, -16.29
CIE LCh	73, 30.734, 327.994
Yxy	44.9440, 0.3188, 0.2753
Android (android.graphics.Color)	4292191185 (0xFFD5A3D1)
YUV	183.1940, 12.7224, 26.1399
Hunter-Lab	67.0403, 21.2549, -11.6762

# Details

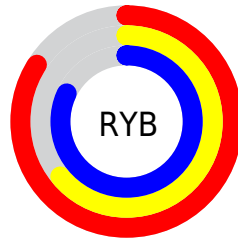
The Yxy color  $44.9440, 0.3188, 0.2753$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $58.1597, 0.3071, 0.3893$ , and the grayscale version is  $47.3897, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.6228, 0.3144, 0.2930$ , and  $21.0045, 0.3196, 0.2612$  is the 20% darker color. If you saturate the color by 10%, you get  $37.9249, 0.3218, 0.2523$ , and if you desaturate by 10%, it is  $53.2416, 0.3160, 0.2985$ .

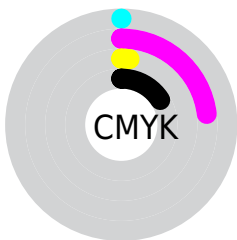
# Distribution



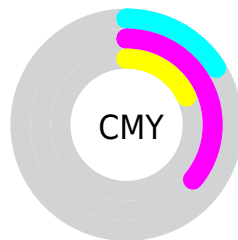
- Red (84%)
- Green (64%)
- Blue (82%)



- Red (84%)
- Yellow (64%)
- Blue (82%)



- Cyan (0%)
- Magenta (23%)
- Yellow (2%)
- Black (16%)




- Cyan (16%)
- Magenta (36%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9440, 0.3188, 0.2753 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 44.9440, 0.3188, 0.2753 by changing the saturation by 10% instead.





 44.9440, 0.3188,  
0.2753


 44.9440, 0.3188,  
0.2753


366.5467, 0.3162,  
0.3011

 31.4133, 0.3193,  
0.2692


 82.6364, 0.3180,  
0.2845

 20.9138, 0.3199,  
0.2614


 107.5669, 0.3176,  
0.2880

 13.0610, 0.3205,  
0.2515


137.0661, 0.3173,  
0.2910

 7.4706, 0.3212,  
0.2381

171.5184, 0.3171,  
0.2935

 3.7581, 0.3218,  
0.2194

211.3082, 0.3168,  
0.2958

 1.5392, 0.3217,  
0.1913

256.8199, 0.3166,

 0.3161, 0.3313,

0.2978

0.1114

308.4380, 0.3164,  
0.2996

0.0000, 0.0000,  
0.0000

44.9440, 0.3188,  
0.2753

44.9440, 0.3188,  
0.2753

37.9249, 0.3218,  
0.2523

53.2416, 0.3160,  
0.2985

32.1147, 0.3250,  
0.2304

62.8712, 0.3135,  
0.3213

27.4461, 0.3283,  
0.2105

73.8903, 0.3113,  
0.3431

23.8428, 0.3316,  
0.1936

86.3512, 0.3093,  
0.3637

21.2192, 0.3348,  
0.1804

90.6992, 0.3081,  
0.3687

■ 19.4766, 0.3378,  
0.1716

■ 90.7880, 0.3072,  
0.3669

■ 18.4956, 0.3405,  
0.1671

■ 90.8777, 0.3062,  
0.3651

■ 18.1332, 0.3421,  
0.1658

■ 90.9683, 0.3053,  
0.3632

■ 91.0598, 0.3043,  
0.3614

# Harmonies

## Analogous

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



44.9440, 0.2767, 0.2606



44.9440, 0.3188, 0.2753



44.9440, 0.3619, 0.3021

# Triad

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



44.9440, 0.3188, 0.2753



44.9440, 0.3811, 0.3976



44.9440, 0.2391, 0.3136

# Complementary

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



44.9440, 0.3188, 0.2753



58.1597, 0.3071, 0.3893

# 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.



44.9440, 0.2636, 0.3564



44.9440, 0.3188, 0.2753



44.9440, 0.3452, 0.4075

# Square

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



44.9440, 0.3188, 0.2753



44.9440, 0.3990, 0.3705



44.9440, 0.3021, 0.3927



44.9440, 0.2331, 0.2794



# Rectangle

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



44.9440, 0.3188, 0.2753



44.9440, 0.3843, 0.3243



44.9440, 0.3021, 0.3927



44.9440, 0.2453, 0.3275

# Sweetspot

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



44.9460, 0.3188, 0.2753



89.0443, 0.3144, 0.3132



39.1444, 0.2757, 0.2638



18.8673, 0.3145, 0.3118



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.



44.9460, 0.3188, 0.2753



62.2351, 0.3202, 0.2641



43.8303, 0.3405, 0.3030



12.6149, 0.3150, 0.3078



11.0849, 0.3418, 0.1657



0.6738, 0.3378, 0.1635



# Inverse Universe

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



44.9460, 0.3188, 0.2753



62.2351, 0.3202, 0.2641



59.1466, 0.2915, 0.3567



12.6149, 0.3150, 0.3078



11.0849, 0.3418, 0.1657



0.6738, 0.3378, 0.1635



# Previews

## White Background



This preview shows how the Yxy color 44.9440, 0.3188, 0.2753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

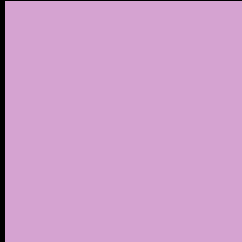
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9440, 0.3188, 0.2753 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

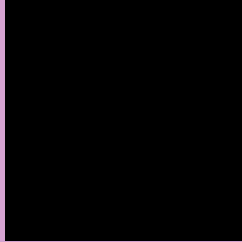
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9440, 0.3188, 0.2753**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9440, 0.3188, 0.2753.



This preview shows how white text looks on a background with the Yxy color 44.9440, 0.3188, 0.2753.

# 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

44.9440, 0.3188, 0.2753

### Protanopia

45.1048, 0.2757, 0.2758

### Deuteranopia

45.2322, 0.2944, 0.2887



## Tritanopia

44.8968, 0.3393, 0.3132

# Trichromacy



**Original Color**

44.9440, 0.3188, 0.2753

**Protanomaly**

44.8504, 0.2907, 0.2759

**Deuteranomaly**

45.1492, 0.3028, 0.2836

**Tritanomaly**

44.7357, 0.3315, 0.2989

# Monochromacy



**Original Color**

44.9440, 0.3188, 0.2753

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

46.3258, 0.3154, 0.3090

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9440, 0.3188, 0.2753 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(213, 163, 209)` looks like.

```
.text, #text, p{  
    color:rgb(213, 163, 209)  
}
```

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(213, 163, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 163, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9440, 0.3188, 0.2753 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(213, 163, 209) }
```

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

```
.border{ border-color:rgb(213, 163, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 163, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 163, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 163, 209);  
box-shadow:4px 4px 4px 4px rgb(213, 163,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9440, 0.3188, 0.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 163, 209) }
```

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

```
.background{ background-color: rgb(213,  
163, 209) }
```

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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