

# Converting Colors

$Y_{xy}(45.2807, 0.3155, 0.2757)$

Have a look what the booklet for  
Yxy(45.2807, 0.3155, 0.2757)  
contains.

<b>Yxy(45.4123, 0.3161, 0.2763)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(45.4123, 0.3161, 0.2763)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3A5D2
RGB	211, 165, 210
RGB Percent	83%, 65%, 82%
CMY	0.1725, 0.3529, 0.1765
CMYK	0.00, 0.22, 0.00, 0.17
HSL	301°, 34%, 74%
HSV	301°, 22%, 83%
XYZ	51.9538, 45.4123, 66.9926
YIQ	183.8840, 12.9710, 23.7470

# Conversions

## Conversions Part 2

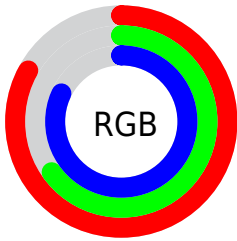
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 165, 210
Decimal	13870546
CIE Lab	73.16, 24.50, -16.38
CIE LCh	73, 29.467, 326.235
Yxy	45.4123, 0.3161, 0.2763
Android (android.graphics.Color)	4292060626 (0xFFD3A5D2)
YUV	183.8840, 12.8752, 23.7807
Hunter-Lab	67.3886, 19.6858, -11.7695

# Details

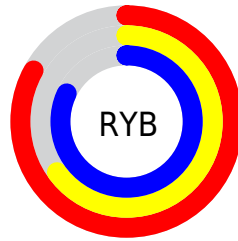
The Yxy color  $45.4123, 0.3161, 0.2763$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $57.3496, 0.3092, 0.3880$ , and the grayscale version is  $47.7891, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.6664, 0.3143, 0.2950$ , and  $21.2447, 0.3170, 0.2638$  is the 20% darker color. If you saturate the color by 10%, you get  $38.3963, 0.3178, 0.2521$ , and if you desaturate by 10%, it is  $53.6881, 0.3145, 0.3008$ .

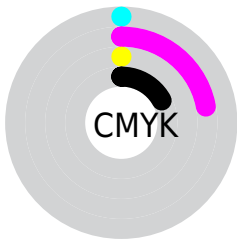
# Distribution



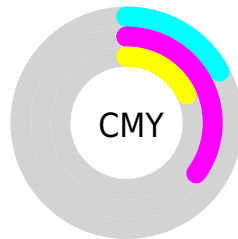
- Red (83%)
- Green (65%)
- Blue (82%)



- Red (83%)
- Yellow (65%)
- Blue (82%)



- Cyan (0%)
- Magenta (22%)
- Yellow (0%)
- Black (17%)




- Cyan (17%)
- Magenta (35%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4123, 0.3161, 0.2763 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 45.4123, 0.3161, 0.2763 by changing the saturation by 10% instead.





 45.4123, 0.3161,  
0.2763


 45.4123, 0.3161,  
0.2763


368.4408, 0.3149,  
0.3016

 31.7823, 0.3163,  
0.2703


 83.3388, 0.3157,  
0.2853

 21.1953, 0.3165,  
0.2627


 108.4040, 0.3156,  
0.2887

 13.2668, 0.3166,  
0.2529


138.0498, 0.3154,  
0.2917

 7.6125, 0.3165,  
0.2398

172.6606, 0.3153,  
0.2942

 3.8480, 0.3160,  
0.2214

212.6207, 0.3152,  
0.2964

 1.5889, 0.3143,  
0.1939

258.3145, 0.3151,

 0.3501, 0.3191,

0.2984

0.1196

310.1264, 0.3150,  
0.3001

0.0000, 0.0000,  
0.0000

45.4123, 0.3161,  
0.2763

45.4123, 0.3161,  
0.2763

38.3963, 0.3178,  
0.2521

53.6881, 0.3145,  
0.3008

32.5728, 0.3194,  
0.2290

63.2752, 0.3130,  
0.3248

27.8769, 0.3210,  
0.2079

74.2293, 0.3116,  
0.3478

24.2353, 0.3226,  
0.1898

86.6012, 0.3103,  
0.3694

21.5663, 0.3239,  
0.1755

90.1418, 0.3098,  
0.3745

■ 19.7758, 0.3251,  
0.1654

■ 90.1656, 0.3095,  
0.3740

■ 18.7513, 0.3260,  
0.1596

■ 90.1895, 0.3092,  
0.3735

■ 18.3226, 0.3266,  
0.1573

■ 90.2135, 0.3090,  
0.3730

■ 90.2375, 0.3087,  
0.3725

# Harmonies

## Analogous

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



45.4123, 0.2762, 0.2630



45.4123, 0.3161, 0.2763



45.4123, 0.3576, 0.3015

# Triad

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



45.4123, 0.3161, 0.2763



45.4123, 0.3798, 0.3936



45.4123, 0.2431, 0.3167

# Complementary

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



45.4123, 0.3161, 0.2763



57.3496, 0.3092, 0.3880

# 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.



45.4123, 0.2677, 0.3575



45.4123, 0.3161, 0.2763



45.4123, 0.3462, 0.4040

# Square

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



45.4123, 0.3161, 0.2763



45.4123, 0.3954, 0.3671



45.4123, 0.3051, 0.3911



45.4123, 0.2362, 0.2832



# Rectangle

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



45.4123, 0.3161, 0.2763



45.4123, 0.3795, 0.3227



45.4123, 0.3051, 0.3911



45.4123, 0.2495, 0.3301

# Sweetspot

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



45.4143, 0.3161, 0.2763



89.1097, 0.3138, 0.3122



39.6963, 0.2768, 0.2687



18.8825, 0.3139, 0.3107



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.



45.4143, 0.3161, 0.2763



64.6515, 0.3168, 0.2654



44.3598, 0.3360, 0.3022



12.0043, 0.3141, 0.3066



11.0580, 0.3265, 0.1572



0.6198, 0.3254, 0.1566



# Inverse Universe

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



45.4143, 0.3161, 0.2763



64.6515, 0.3168, 0.2654



58.2598, 0.2944, 0.3575



12.0043, 0.3141, 0.3066



11.0580, 0.3265, 0.1572



0.6198, 0.3254, 0.1566



# Previews

## White Background



This preview shows how the Yxy color 45.4123, 0.3161, 0.2763 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

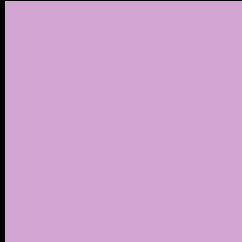
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.4123, 0.3161, 0.2763 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

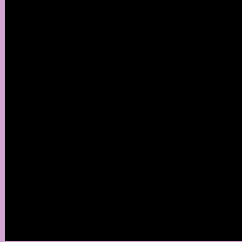
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.4123, 0.3161, 0.2763**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.4123, 0.3161, 0.2763.



This preview shows how white text looks on a background with the Yxy color 45.4123, 0.3161, 0.2763.

# 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

45.4123, 0.3161, 0.2763

### Protanopia

45.6132, 0.2765, 0.2772

### Deuteranopia

45.4044, 0.2944, 0.2876



## Tritanopia

45.4337, 0.3353, 0.3131

# Trichromacy



## Original Color

45.4123, 0.3161, 0.2763

## Protanomaly

45.2841, 0.2900, 0.2760

## Deuteranomaly

45.1986, 0.3020, 0.2825

## Tritanomaly

45.2654, 0.3277, 0.2988

# Monochromacy



## Original Color

45.4123, 0.3161, 0.2763

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

46.7639, 0.3145, 0.3090

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4123, 0.3161, 0.2763 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(211, 165, 210)` looks like.

```
.text, #text, p{  
    color:rgb(211, 165, 210)  
}
```

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(211, 165, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 165, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4123, 0.3161, 0.2763 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(211, 165, 210) }
```

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

```
.border{ border-color:rgb(211, 165, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 165, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 165, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 165, 210);  
box-shadow:4px 4px 4px 4px rgb(211, 165,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4123, 0.3161, 0.2763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 165, 210) }
```

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

```
.background{ background-color: rgb(211,  
165, 210) }
```

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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