

# Converting Colors

$Y_{xy}(45.7493, 0.3149, 0.2768)$

Have a look what the booklet for  
Yxy(45.7493, 0.3149, 0.2768)  
contains.

<b>Yxy(45.6772, 0.3143, 0.2762)</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(45.6772, 0.3143, 0.2762)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2A6D3
RGB	210, 166, 211
RGB Percent	82%, 65%, 83%
CMY	0.1764, 0.3490, 0.1724
CMYK	0.00, 0.21, 0.00, 0.17
HSL	299°, 34%, 74%
HSV	299°, 21%, 83%
XYZ	51.9781, 45.6772, 67.7220
YIQ	184.2860, 11.7790, 23.3230

# Conversions

## Conversions Part 2

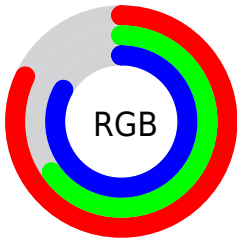
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 166, 211
Decimal	13805267
CIE Lab	73.34, 23.81, -16.69
CIE LCh	73, 29.083, 324.969
Yxy	45.6772, 0.3143, 0.2762
Android (android.graphics.Color)	4291995347 (0xFFD2A6D3)
YUV	184.2860, 13.1700, 22.5512
Hunter-Lab	67.5849, 19.0068, -12.1008

# Details

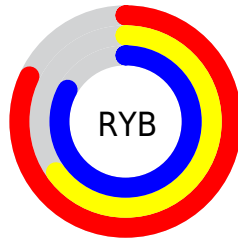
The Yxy color  $45.6772, 0.3143, 0.2762$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $57.5710, 0.3107, 0.3878$ , and the grayscale version is  $48.0221, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.1929, 0.3143, 0.2960$ , and  $21.4035, 0.3146, 0.2637$  is the 20% darker color. If you saturate the color by 10%, you get  $38.5570, 0.3149, 0.2513$ , and if you desaturate by 10%, it is  $54.0603, 0.3136, 0.3013$ .

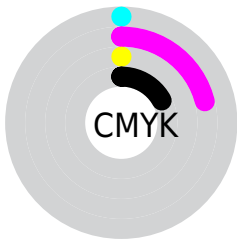
# Distribution



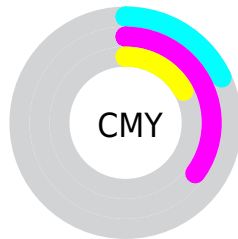
- Red (82%)
- Green (65%)
- Blue (83%)



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



- Cyan (0%)
- Magenta (21%)
- Yellow (0%)
- Black (17%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6772, 0.3143, 0.2762 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 45.6772, 0.3143, 0.2762 by changing the saturation by 10% instead.




 45.6772, 0.3143,  
0.2762


 45.6772, 0.3143,  
0.2762


369.5094, 0.3140,  
0.3016

 31.9912, 0.3143,  
0.2702

 83.7357, 0.3143,  
0.2852

 21.3548, 0.3142,  
0.2626


 108.8769, 0.3142,  
0.2886

 13.3836, 0.3139,  
0.2528


138.6054, 0.3142,  
0.2916

 7.6932, 0.3133,  
0.2398

173.3054, 0.3141,  
0.2941

 3.8993, 0.3121,  
0.2214

213.3614, 0.3141,  
0.2963

 1.6174, 0.3093,  
0.1939

259.1578, 0.3140,

 0.3693, 0.3109,

0.2983


0.1227

311.0790, 0.3140,  
0.3000

 0.0000, 0.0000,  
0.0000

 45.6772, 0.3143,  
0.2762


 45.6772, 0.3143,  
0.2762


 38.5570, 0.3149,  
0.2513


 54.0603, 0.3136,  
0.3013


 32.6325, 0.3155,  
0.2275


 63.7576, 0.3128,  
0.3258

 27.8392, 0.3159,  
0.2057


 74.8246, 0.3120,  
0.3493

 24.1041, 0.3161,  
0.1868

 87.3121, 0.3113,  
0.3713


 21.3458, 0.3162,  
0.1717

 90.2787, 0.3113,  
0.3759

 19.4710, 0.3160,  
0.1607

 90.3494, 0.3116,  
0.3758

 18.3684, 0.3157,  
0.1541

 90.4203, 0.3119,  
0.3758

 17.8678, 0.3153,  
0.1510

 90.4914, 0.3122,  
0.3757

 90.5627, 0.3125,  
0.3757

# Harmonies

## Analogous

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



45.6772, 0.2753, 0.2636



45.6772, 0.3143, 0.2762



45.6772, 0.3553, 0.3007

# Triad

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



45.6772, 0.3143, 0.2762



45.6772, 0.3799, 0.3918



45.6772, 0.2448, 0.3186

# Complementary

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



45.6772, 0.3143, 0.2762



57.5710, 0.3107, 0.3878

# 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.



45.6772, 0.2697, 0.3588



45.6772, 0.3143, 0.2762



45.6772, 0.3474, 0.4028

# Square

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



45.6772, 0.3143, 0.2762



45.6772, 0.3944, 0.3653



45.6772, 0.3070, 0.3911



45.6772, 0.2372, 0.2851



# Rectangle

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



45.6772, 0.3143, 0.2762



45.6772, 0.3774, 0.3214



45.6772, 0.3070, 0.3911



45.6772, 0.2513, 0.3319

# Sweetspot

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



45.6792, 0.3143, 0.2762



90.5586, 0.3132, 0.3143



40.6306, 0.2772, 0.2721



19.1732, 0.3132, 0.3127



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.



45.6792, 0.3143, 0.2762



64.4651, 0.3146, 0.2638



44.8418, 0.3334, 0.3002



11.9950, 0.3134, 0.3061



10.7865, 0.3154, 0.1511



0.6075, 0.3164, 0.1517



# Inverse Universe

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



43.9138, 0.3545, 0.3279



61.2522, 0.3674, 0.3276



58.2966, 0.2962, 0.3598



11.8125, 0.3287, 0.3285



8.3661, 0.6374, 0.3285



0.4693, 0.6288, 0.3237



# Previews

## White Background



This preview shows how the Yxy color 45.6772, 0.3143, 0.2762 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

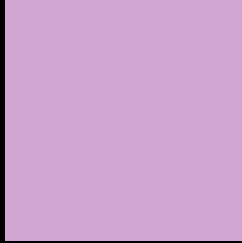
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6772, 0.3143, 0.2762 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

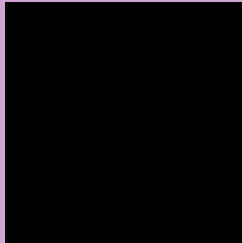
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6772, 0.3143, 0.2762**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6772, 0.3143, 0.2762.



This preview shows how white text looks on a background with the Yxy color 45.6772, 0.3143, 0.2762.

# 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

45.6772, 0.3143, 0.2762

### Protanopia

46.0654, 0.2760, 0.2774

### Deuteranopia

45.8445, 0.2937, 0.2877



## Tritanopia

45.7083, 0.3334, 0.3131

# Trichromacy



**Original Color**

45.6772, 0.3143, 0.2762

**Protanomaly**

45.5961, 0.2886, 0.2760

**Deuteranomaly**

45.4956, 0.3003, 0.2824

**Tritanomaly**

45.5364, 0.3258, 0.2988

# Monochromacy



**Original Color**

45.6772, 0.3143, 0.2762

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

46.6768, 0.3129, 0.3077

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6772, 0.3143, 0.2762 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(210, 166, 211)` looks like.

```
.text, #text, p{  
    color:rgb(210, 166, 211)  
}
```

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(210, 166, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 166, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6772, 0.3143, 0.2762 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(210, 166, 211) }
```

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

```
.border{ border-color:rgb(210, 166, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 166, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 166, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 166, 211);  
box-shadow:4px 4px 4px 4px rgb(210, 166,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6772, 0.3143, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 166, 211) }
```

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

```
.background{ background-color: rgb(210,  
166, 211) }
```

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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