

# Converting Colors

$Y_{xy}(44.0040, 0.3119, 0.2701)$

Have a look what the booklet for  
Yxy(44.0040, 0.3119, 0.2701)  
contains.

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# Color

**Yxy(44.0040, 0.3119, 0.2701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0A2D4
RGB	208, 162, 212
RGB Percent	82%, 64%, 83%
CMY	0.1843, 0.3647, 0.1686
CMYK	0.02, 0.24, 0.00, 0.17
HSL	295°, 37%, 73%
HSV	295°, 24%, 83%
XYZ	50.8139, 44.0040, 68.0995
YIQ	181.4540, 11.3660, 25.3020

# Conversions

## Conversions Part 2

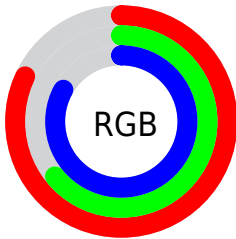
Format	Color
R <sub>Y</sub> B	208, 162, 212
Decimal	13673172
CIE Lab	72.23, 25.50, -18.91
CIE LCh	72, 31.748, 323.433
Yxy	44.0040, 0.3119, 0.2701
Android (android.graphics.Color)	4291863252 (0xFFD0A2D4)
YUV	181.4540, 15.0592, 23.2808
Hunter-Lab	66.3355, 20.6464, -14.4318

# Details

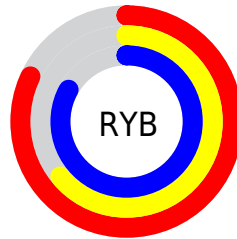
The Yxy color **44.0040, 0.3119, 0.2701** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.8023, 0.3125, 0.3945**, and the grayscale version is **46.3800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1057, 0.3145, 0.2920**, and **20.3585, 0.3112, 0.2555** is the 20% darker color. If you saturate the color by 10%, you get **36.9108, 0.3112, 0.2448**, and if you desaturate by 10%, it is **52.3626, 0.3124, 0.2955**.

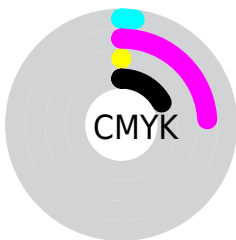
# Distribution



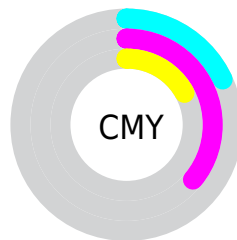
- Red (82%)
- Green (64%)
- Blue (83%)



- Red (82%)
- Yellow (64%)
- Blue (83%)



- Cyan (2%)
- Magenta (24%)
- Yellow (0%)
- Black (17%)




- Cyan (18%)
- Magenta (36%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0040, 0.3119, 0.2701 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 44.0040, 0.3119, 0.2701 by changing the saturation by 10% instead.





 44.0040, 0.3119,  
0.2701


 44.0040, 0.3119,  
0.2701


362.7246, 0.3128,  
0.2984

 30.6737, 0.3115,  
0.2634


 81.2238, 0.3124,  
0.2801

 20.3505, 0.3109,  
0.2549


 105.8820, 0.3125,  
0.2840

 12.6501, 0.3100,  
0.2440


135.0849, 0.3126,  
0.2873

 7.1880, 0.3086,  
0.2294

169.2170, 0.3127,  
0.2901

 3.5800, 0.3059,  
0.2090

208.6626, 0.3127,  
0.2926

 1.4415, 0.3005,  
0.1787

253.8062, 0.3128,

 0.2470, 0.3017,

0.2948

0.0869

305.0320, 0.3128,  
0.2967

0.0000, 0.0000,  
0.0000

44.0040, 0.3119,  
0.2701

44.0040, 0.3119,  
0.2701

36.9108, 0.3112,  
0.2448

52.3626, 0.3124,  
0.2955

31.0143, 0.3102,  
0.2206

62.0397, 0.3127,  
0.3204

26.2478, 0.3090,  
0.1983


73.0921, 0.3128,  
0.3441


22.5358, 0.3075,  
0.1791


85.5716, 0.3127,  
0.3664

19.7936, 0.3058,  
0.1637

90.9458, 0.3133,  
0.3744

 17.9234, 0.3040,  
0.1525

 91.2065, 0.3144,  
0.3743

 16.8069, 0.3020,  
0.1457

 91.4700, 0.3155,  
0.3742

 16.3574, 0.3007,  
0.1430

 91.7361, 0.3165,  
0.3740

 92.0049, 0.3176,  
0.3739

# Harmonies

## Analogous

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



44.0040, 0.2695, 0.2571



44.0040, 0.3119, 0.2701



44.0040, 0.3576, 0.2962

# Triad

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



44.0040, 0.3119, 0.2701



44.0040, 0.3880, 0.3968



44.0040, 0.2390, 0.3193

# Complementary

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



44.0040, 0.3119, 0.2701



57.8023, 0.3125, 0.3945

# 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.



44.0040, 0.2670, 0.3642



44.0040, 0.3119, 0.2701



44.0040, 0.3528, 0.4108

# Square

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



44.0040, 0.3119, 0.2701



44.0040, 0.4031, 0.3666



44.0040, 0.3084, 0.3995



44.0040, 0.2298, 0.2818



# Rectangle

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



44.0040, 0.3119, 0.2701



44.0040, 0.3827, 0.3185



44.0040, 0.3084, 0.3995



44.0040, 0.2464, 0.3342

# Sweetspot

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



44.0059, 0.3119, 0.2701



88.8651, 0.3126, 0.3118



39.7716, 0.2732, 0.2686



18.8257, 0.3126, 0.3103



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.



44.0059, 0.3119, 0.2701



61.5264, 0.3116, 0.2581



43.6093, 0.3337, 0.2941



12.5798, 0.3125, 0.3059



10.1193, 0.3010, 0.1432



0.6257, 0.3046, 0.1452



# Inverse Universe

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



42.5940, 0.3574, 0.3242



59.0630, 0.3695, 0.3232



58.1794, 0.2961, 0.3668



12.4368, 0.3279, 0.3272



8.6719, 0.6306, 0.3248



0.5288, 0.6037, 0.3099



# Previews

## White Background



This preview shows how the Yxy color 44.0040, 0.3119, 0.2701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

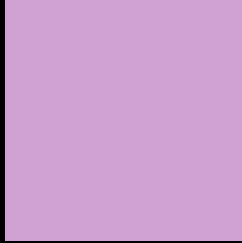
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.0040, 0.3119, 0.2701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

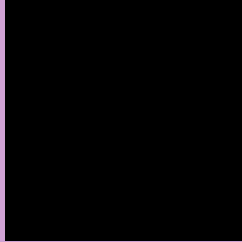
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.0040, 0.3119, 0.2701**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.0040, 0.3119, 0.2701.



This preview shows how white text looks on a background with the Yxy color 44.0040, 0.3119, 0.2701.

# 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

44.0040, 0.3119, 0.2701

### Protanopia

44.3781, 0.2713, 0.2717

### Deuteranopia

44.1240, 0.2888, 0.2821



## Tritanopia

44.1788, 0.3347, 0.3129

# Trichromacy



**Original Color**

44.0040, 0.3119, 0.2701

**Protanomaly**

44.0115, 0.2845, 0.2706

**Deuteranomaly**

44.0262, 0.2970, 0.2772

**Tritanomaly**

44.0573, 0.3261, 0.2973

# Monochromacy



**Original Color**

44.0040, 0.3119, 0.2701

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

45.1542, 0.3129, 0.3062

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0040, 0.3119, 0.2701 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(208, 162, 212)` looks like.

```
.text, #text, p{  
    color:rgb(208, 162, 212)  
}
```

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(208, 162, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 162, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0040, 0.3119, 0.2701 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(208, 162, 212) }
```

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

```
.border{ border-color:rgb(208, 162, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 162, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 162, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 162, 212);  
box-shadow:4px 4px 4px 4px rgb(208, 162,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0040, 0.3119, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 162, 212) }
```

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

```
.background{ background-color: rgb(208,  
162, 212) }
```

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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