

# Converting Colors

$Y_{xy}(35.6630, 0.2947, 0.2439)$

Have a look what the booklet for  
Yxy(35.6630, 0.2947, 0.2439)  
contains.

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# Color

**Yxy(35.5694, 0.2941, 0.2435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD90D5
RGB	189, 144, 213
RGB Percent	74%, 56%, 84%
CMY	0.2590, 0.4352, 0.1647
CMYK	0.11, 0.32, 0.00, 0.16
HSL	279°, 45%, 70%
HSV	279°, 32%, 84%
XYZ	42.9608, 35.5694, 67.5453
YIQ	165.3210, 4.6710, 30.9990

# Conversions

## Conversions Part 2

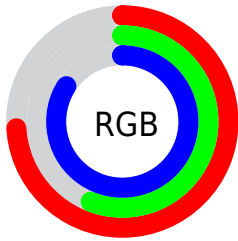
Format	Color
R <sub>Y</sub> B	189, 144, 213
Decimal	12423381
CIE Lab	66.19, 29.45, -28.87
CIE LCh	66, 41.241, 315.578
Yxy	35.5694, 0.2941, 0.2435
Android (android.graphics.Color)	4290613461 (0xFFBD90D5)
YUV	165.3210, 23.5057, 20.7665
Hunter-Lab	59.6401, 24.2096, -25.4008

# Details

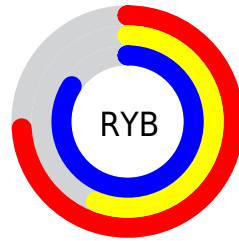
The Yxy color **35.5694, 0.2941, 0.2435** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.9291, 0.3257, 0.4194**, and the grayscale version is **37.6720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2010, 0.3087, 0.2721**, and **15.4482, 0.2877, 0.2213** is the 20% darker color. If you saturate the color by 10%, you get **28.7901, 0.2864, 0.2156**, and if you desaturate by 10%, it is **43.6174, 0.3009, 0.2712**.

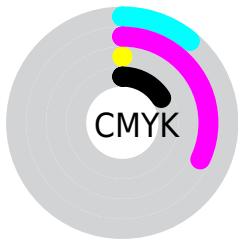
# Distribution



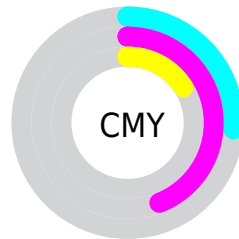
- Red (74%)
- Green (56%)
- Blue (84%)



- Red (74%)
- Yellow (56%)
- Blue (84%)



- Cyan (11%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)



- Cyan (26%)
- Magenta (44%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5694, 0.2941, 0.2435 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 35.5694, 0.2941, 0.2435 by changing the saturation by 10% instead.





 35.5694, 0.2941,  
0.2435


 35.5694, 0.2941,  
0.2435


327.0745, 0.3046,  
0.2852

 24.1018, 0.2911,  
0.2335


 68.3669, 0.2982,  
0.2584

 15.4092, 0.2871,  
0.2210


 90.4657, 0.2996,  
0.2640

 9.1071, 0.2815,  
0.2048


116.8769, 0.3008,  
0.2688

 4.8111, 0.2732,  
0.1832

147.9850, 0.3019,  
0.2730

 2.1368, 0.2598,  
0.1534

184.1745, 0.3027,  
0.2766

 0.6852, 0.2367,  
0.1089

225.8296, 0.3034,

 0.0000, 0.1585,

0.2798

0.0000

273.3348, 0.3041,  
0.2827

0.0000, 0.0000,  
0.0000

35.5694, 0.2941,  
0.2435

35.5694, 0.2941,  
0.2435

28.7901, 0.2864,  
0.2156

43.6174, 0.3009,  
0.2712

23.2058, 0.2779,  
0.1886

52.9935, 0.3067,  
0.2980

18.7417, 0.2688,  
0.1638


63.7588, 0.3117,  
0.3232

15.3126, 0.2593,  
0.1422


75.9693, 0.3158,  
0.3467

12.8209, 0.2498,  
0.1251


89.6775, 0.3192,  
0.3682

 11.1490, 0.2407,  
0.1129

 93.7297, 0.3235,  
0.3719

 10.2731, 0.2341,  
0.1063

 95.0087, 0.3283,  
0.3713

 96.3409, 0.3332,  
0.3707

 97.5836, 0.3376,  
0.3701

# Harmonies

## Analogous

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



35.5694, 0.2409, 0.2311



35.5694, 0.2941, 0.2435



35.5694, 0.3585, 0.2738

# Triad

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



35.5694, 0.2941, 0.2435



35.5694, 0.4246, 0.4100



35.5694, 0.2196, 0.3300

# Complementary

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



35.5694, 0.2941, 0.2435



57.9291, 0.3257, 0.4194

# 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.



35.5694, 0.2621, 0.3948



35.5694, 0.2941, 0.2435



35.5694, 0.3807, 0.4405

# Square

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



35.5694, 0.2941, 0.2435



35.5694, 0.4382, 0.3645



35.5694, 0.3210, 0.4381



35.5694, 0.2015, 0.2736



# Rectangle

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



35.5694, 0.2941, 0.2435



35.5694, 0.3978, 0.3012



35.5694, 0.3210, 0.4381



35.5694, 0.2312, 0.3520

# Sweetspot

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



35.5709, 0.2941, 0.2435



83.1493, 0.3079, 0.3039



38.8002, 0.2593, 0.2680



17.3278, 0.3072, 0.3002



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.



35.5709, 0.2941, 0.2435



46.1159, 0.2888, 0.2239



38.3934, 0.3260, 0.2599



12.4061, 0.3083, 0.3056



6.3347, 0.2353, 0.1070



0.4273, 0.2503, 0.1152



# Inverse Universe

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



36.9277, 0.3609, 0.2996



48.6128, 0.3759, 0.2930



55.8606, 0.3018, 0.4096



12.4916, 0.3237, 0.3209



8.9624, 0.5569, 0.2841

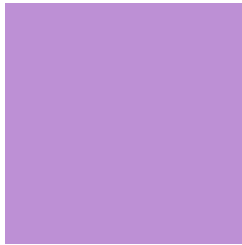


0.5560, 0.5085, 0.2575



# Previews

## White Background



This preview shows how the Yxy color 35.5694, 0.2941, 0.2435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

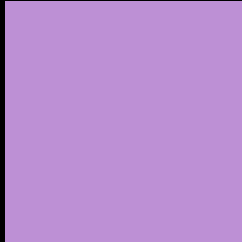
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.5694, 0.2941, 0.2435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

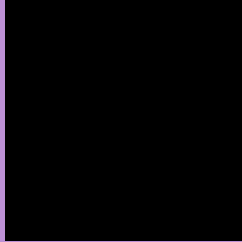
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.5694, 0.2941, 0.2435**

## Background



This preview shows how black text looks on a background with the Yxy color 35.5694, 0.2941, 0.2435.



This preview shows how white text looks on a background with the Yxy color 35.5694, 0.2941, 0.2435.

# 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

35.5694, 0.2941, 0.2435

### Protanopia

35.8408, 0.2486, 0.2419

### Deuteranopia

35.5909, 0.2641, 0.2580



## Tritanopia

35.4442, 0.3305, 0.3126

# Trichromacy



**Original Color**

35.5694, 0.2941, 0.2435

**Protanomaly**

35.5476, 0.2630, 0.2424

**Deuteranomaly**

35.3781, 0.2742, 0.2522

**Tritanomaly**

35.5044, 0.3177, 0.2866

# Monochromacy



**Original Color**

35.5694, 0.2941, 0.2435

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

36.4900, 0.3067, 0.2949

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.5694, 0.2941, 0.2435 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(189, 144, 213)` looks like.

```
.text, #text, p{  
    color:rgb(189, 144, 213)  
}
```

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(189, 144, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 144, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 35.5694, 0.2941, 0.2435 is called "border". The border property can be set on classes, ids or directly on the HTML element.

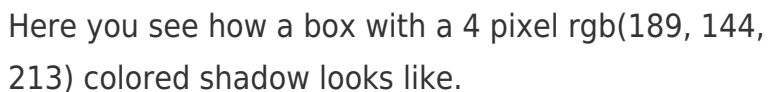
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 144, 213) }
```

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

```
.border{ border-color:rgb(189, 144, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 144, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 144, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 144, 213);  
box-shadow:4px 4px 4px 4px rgb(189, 144,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.5694, 0.2941, 0.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 144, 213) }
```

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

```
.background{ background-color: rgb(189,  
144, 213) }
```

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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