

# Converting Colors

$Y_{xy}(35.9343, 0.3154, 0.2614)$

Have a look what the booklet for  
Yxy(35.9343, 0.3154, 0.2614)  
contains.

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# Color

**Yxy(36.0295, 0.3159, 0.2619)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C690C6
RGB	198, 144, 198
RGB Percent	78%, 56%, 78%
CMY	0.2234, 0.4353, 0.2236
CMYK	0.00, 0.27, 0.00, 0.22
HSL	300°, 32%, 67%
HSV	300°, 27%, 78%
XYZ	43.4583, 36.0295, 58.0819
YIQ	166.3020, 14.8500, 28.2420

# Conversions

## Conversions Part 2

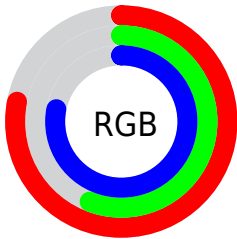
Format	Color
R <sub>Y</sub> B	198, 144, 198
Decimal	13013190
CIE Lab	66.54, 29.41, -19.89
CIE LCh	67, 35.502, 325.932
Yxy	36.0295, 0.3159, 0.2619
Android (android.graphics.Color)	4291203270 (0xFFC690C6)
YUV	166.3020, 15.6271, 27.7991
Hunter-Lab	60.0246, 24.1924, -15.3539

# Details

The Yxy color **36.0295, 0.3159, 0.2619** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.3428, 0.3090, 0.4067**, and the grayscale version is **38.2057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **15.6820, 0.3153, 0.2439** is the 20% darker color. If you saturate the color by 10%, you get **30.5490, 0.3170, 0.2379**, and if you desaturate by 10%, it is **42.5652, 0.3147, 0.2867**.

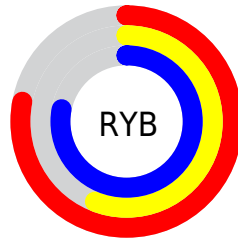
# Distribution



Red (78%)

Green (56%)

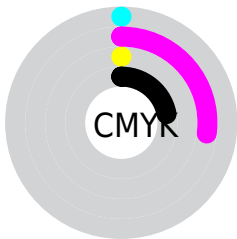
Blue (78%)



Red (78%)

Yellow (56%)

Blue (78%)

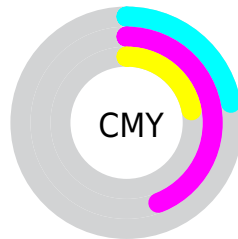


Cyan (0%)

Magenta (27%)

Yellow (0%)

Black (22%)



Cyan (22%)

Magenta (44%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0295, 0.3159, 0.2619 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 36.0295, 0.3159, 0.2619 by changing the saturation by 10% instead.





 36.0295, 0.3159,  
0.2619


 36.0295, 0.3159,  
0.2619


329.0895, 0.3150,  
0.2950

 24.4570, 0.3159,  
0.2538

 69.0776, 0.3157,  
0.2738

 15.6730, 0.3158,  
0.2436


 91.3220, 0.3156,  
0.2783

 9.2930, 0.3155,  
0.2301


117.8924, 0.3155,  
0.2821

 4.9328, 0.3145,  
0.2118

149.1733, 0.3154,  
0.2854

 2.2079, 0.3123,  
0.1856

185.5491, 0.3153,  
0.2883

 0.7243, 0.3068,  
0.1441

227.4041, 0.3152,


 0.0000, 0.2667,


0.2908

0.0000


275.1228, 0.3151,  
0.2930


 0.0000, 0.0000,  
0.0000

 36.0295, 0.3159,  
0.2619


 36.0295, 0.3159,  
0.2619


 30.5490, 0.3170,  
0.2379


 42.5652, 0.3147,  
0.2867


 26.0641, 0.3181,  
0.2155


 50.2024, 0.3135,  
0.3114


 22.5163, 0.3191,  
0.1958


 58.9903, 0.3124,  
0.3354

 19.8394, 0.3198,  
0.1795


 68.9736, 0.3113,  
0.3583


 17.9582, 0.3204,  
0.1672

 80.1950, 0.3103,  
0.3797


 16.7850, 0.3208,  
0.1592


 87.6094, 0.3097,  
0.3918

 16.1981, 0.3210,  
0.1551

 87.6101, 0.3097,  
0.3918

 16.0812, 0.3211,  
0.1542

 87.6107, 0.3097,  
0.3918

 87.6113, 0.3097,  
0.3918

# Harmonies

## Analogous

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



36.0295, 0.2649, 0.2452



36.0295, 0.3159, 0.2619



36.0295, 0.3704, 0.2932

# Triad

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



36.0295, 0.3159, 0.2619



36.0295, 0.3991, 0.4111



36.0295, 0.2239, 0.3123

# Complementary

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



36.0295, 0.3159, 0.2619



48.3428, 0.3090, 0.4067

# 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.



36.0295, 0.2546, 0.3668



36.0295, 0.3159, 0.2619



36.0295, 0.3554, 0.4274

# Square

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



36.0295, 0.3159, 0.2619



36.0295, 0.4202, 0.3756



36.0295, 0.3023, 0.4120



36.0295, 0.2154, 0.2693



# Rectangle

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



36.0295, 0.3159, 0.2619



36.0295, 0.3996, 0.3194



36.0295, 0.3023, 0.4120



36.0295, 0.2317, 0.3300

# Sweetspot

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



36.0311, 0.3159, 0.2619



87.6670, 0.3136, 0.3094



29.9527, 0.2657, 0.2513



18.3002, 0.3138, 0.3056



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.



36.0311, 0.3159, 0.2619



57.5455, 0.3166, 0.2468



34.8951, 0.3424, 0.2941



10.8165, 0.3138, 0.3063



10.4552, 0.3211, 0.1542



0.4951, 0.3211, 0.1542



# Inverse Universe

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



36.0311, 0.3159, 0.2619



57.5455, 0.3166, 0.2468



49.2689, 0.2908, 0.3668



10.8165, 0.3138, 0.3063



10.4552, 0.3211, 0.1542



0.4951, 0.3211, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 36.0295, 0.3159, 0.2619 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

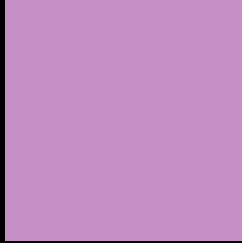
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.0295, 0.3159, 0.2619 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

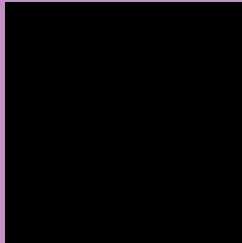
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.0295, 0.3159, 0.2619**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.0295, 0.3159, 0.2619.



This preview shows how white text looks on a background with the Yxy color 36.0295, 0.3159, 0.2619.

# 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

36.0295, 0.3159, 0.2619

### Protanopia

36.1843, 0.2637, 0.2607

### Deuteranopia

36.3135, 0.2843, 0.2794



## Tritanopia

36.0793, 0.3450, 0.3145

# Trichromacy



**Original Color**

36.0295, 0.3159, 0.2619

**Protanomaly**

35.7829, 0.2806, 0.2599

**Deuteranomaly**

36.0954, 0.2948, 0.2730

**Tritanomaly**

35.8771, 0.3346, 0.2940

# Monochromacy



**Original Color**

36.0295, 0.3159, 0.2619

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

37.1330, 0.3140, 0.3019

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.0295, 0.3159, 0.2619 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(198, 144, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 144, 198)  
}
```

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(198, 144, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 144, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 36.0295, 0.3159, 0.2619 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(198, 144, 198) }
```

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

```
.border{ border-color:rgb(198, 144, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 144, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 144, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 144, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 144,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.0295, 0.3159, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 144, 198) }
```

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

```
.background{ background-color: rgb(198,  
144, 198) }
```

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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