

# Converting Colors

Yxy(31.4269, 0.3398, 0.2642)

Have a look what the booklet for  
Yxy(31.4269, 0.3398, 0.2642)  
contains.

<b>Yxy(31.2902, 0.3396, 0.2636)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(31.2902, 0.3396, 0.2636)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA80B4
RGB	202, 128, 180
RGB Percent	79%, 50%, 71%
CMY	0.2079, 0.4980, 0.2941
CMYK	0.00, 0.37, 0.11, 0.21
HSL	318°, 41%, 65%
HSV	318°, 37%, 79%
XYZ	40.3117, 31.2902, 47.1015
YIQ	156.0540, 27.4120, 31.8600

# Conversions

## Conversions Part 2

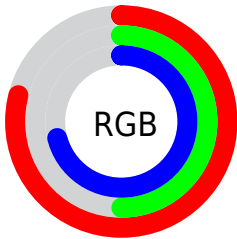
Format	Color
R <sub>Y</sub> B	202, 128, 180
Decimal	13271220
CIE Lab	62.75, 36.22, -15.48
CIE LCh	63, 39.387, 336.857
Yxy	31.2902, 0.3396, 0.2636
Android (android.graphics.Color)	4291461300 (0xFFCA80B4)
YUV	156.0540, 11.8054, 40.2946
Hunter-Lab	55.9376, 30.7458, -10.7679

# Details

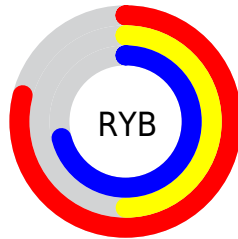
The Yxy color **31.2902, 0.3396, 0.2636** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.0241, 0.2936, 0.4052**, and the grayscale version is **33.2094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7720, 0.3306, 0.2748**, and **13.0431, 0.3482, 0.2453** is the 20% darker color. If you saturate the color by 10%, you get **26.2967, 0.3496, 0.2462**, and if you desaturate by 10%, it is **37.3459, 0.3308, 0.2818**.

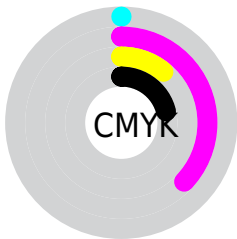
# Distribution



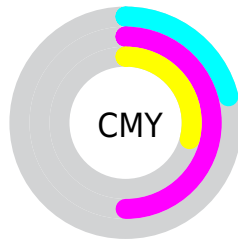
- Red (79%)
- Green (50%)
- Blue (71%)



- Red (79%)
- Yellow (50%)
- Blue (71%)



- Cyan (0%)
- Magenta (37%)
- Yellow (11%)
- Black (21%)




- Cyan (21%)
- Magenta (50%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2902, 0.3396, 0.2636 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 31.2902, 0.3396, 0.2636 by changing the saturation by 10% instead.




 31.2902, 0.3396,  
0.2636


 31.2902, 0.3396,  
0.2636


307.8730, 0.3261,  
0.2966

 20.8199, 0.3430,  
0.2553


 61.6967, 0.3347,  
0.2756

 12.9924, 0.3472,  
0.2446

 82.4017, 0.3329,  
0.2801

 7.4233, 0.3529,  
0.2304


 107.2870, 0.3313,  
0.2839

 3.7282, 0.3607,  
0.2107

136.7371, 0.3300,  
0.2872

 1.5227, 0.3721,  
0.1814

171.1364, 0.3288,  
0.2900

 0.3046, 0.4049,  
0.1012

210.8692, 0.3278,

 0.0000, 0.3680,

0.2925

0.0000

256.3200, 0.3269,  
0.2947

0.0000, 0.0000,  
0.0000

31.2902, 0.3396,  
0.2636

31.2902, 0.3396,  
0.2636

26.2967, 0.3496,  
0.2462

37.3459, 0.3308,  
0.2818

22.2984, 0.3607,  
0.2306

44.5170, 0.3231,  
0.3000

19.2275, 0.3727,  
0.2177


52.8583, 0.3165,  
0.3177

17.0056, 0.3851,  
0.2087


62.4198, 0.3109,  
0.3346


15.5415, 0.3977,  
0.2043

73.2484, 0.3063,  
0.3505


 14.7164, 0.4100,  
0.2048

 85.3887, 0.3023,  
0.3652

 14.5068, 0.4141,  
0.2055

 89.3482, 0.2990,  
0.3645

 89.6757, 0.2958,  
0.3578

 90.0147, 0.2925,  
0.3513

# Harmonies

## Analogous

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



31.2902, 0.2769, 0.2381



31.2902, 0.3396, 0.2636



31.2902, 0.3997, 0.3032

# Triad

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



31.2902, 0.3396, 0.2636



31.2902, 0.3955, 0.4339



31.2902, 0.2044, 0.2881

# Complementary

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



31.2902, 0.3396, 0.2636



49.0241, 0.2936, 0.4052

# 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.



31.2902, 0.2299, 0.3491



31.2902, 0.3396, 0.2636



31.2902, 0.3389, 0.4428

# Square

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



31.2902, 0.3396, 0.2636



31.2902, 0.4319, 0.3975



31.2902, 0.2783, 0.4107



31.2902, 0.2046, 0.2476



# Rectangle

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



31.2902, 0.3396, 0.2636



31.2902, 0.4269, 0.3343



31.2902, 0.2783, 0.4107



31.2902, 0.2100, 0.3067

# Sweetspot

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



31.2916, 0.3396, 0.2636



82.8658, 0.3194, 0.3098



26.0921, 0.2649, 0.2247



17.3225, 0.3203, 0.3073



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.



31.2916, 0.3396, 0.2636



46.1015, 0.3475, 0.2496



30.0106, 0.3812, 0.3082



11.3448, 0.3182, 0.3128



9.3531, 0.4126, 0.2046



0.4955, 0.3906, 0.1925



# Inverse Universe

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



31.2916, 0.3396, 0.2636



46.1015, 0.3475, 0.2496



50.3659, 0.2712, 0.3514



11.3448, 0.3182, 0.3128



9.3531, 0.4126, 0.2046

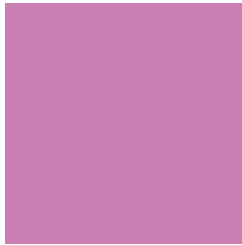


0.4955, 0.3906, 0.1925



# Previews

## White Background



This preview shows how the Yxy color 31.2902, 0.3396, 0.2636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

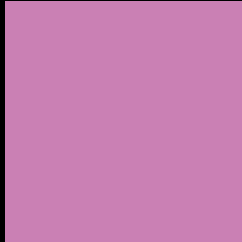
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.2902, 0.3396, 0.2636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

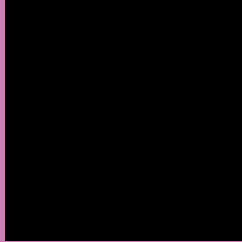
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.2902, 0.3396, 0.2636**

## Background



This preview shows how black text looks on a background with the Yxy color 31.2902, 0.3396, 0.2636.



This preview shows how white text looks on a background with the Yxy color 31.2902, 0.3396, 0.2636.

# 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

31.2902, 0.3396, 0.2636

### Protanopia

31.7815, 0.2658, 0.2638

### Deuteranopia

31.2830, 0.2940, 0.2879



## Tritanopia

31.3780, 0.3731, 0.3159

# Trichromacy



**Original Color**

31.2902, 0.3396, 0.2636

**Protanomaly**

31.1492, 0.2893, 0.2633

**Deuteranomaly**

30.9947, 0.3099, 0.2787

**Tritanomaly**

31.1133, 0.3602, 0.2951

# Monochromacy



**Original Color**

31.2902, 0.3396, 0.2636

**Achromatopsia**

33.2452, 0.3127, 0.3290

**Achromatomaly**

32.1586, 0.3222, 0.3021

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.2902, 0.3396, 0.2636 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(202, 128, 180)` looks like.

```
.text, #text, p{  
    color:rgb(202, 128, 180)  
}
```

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(202, 128, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 128, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 31.2902, 0.3396, 0.2636 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(202, 128, 180) }
```

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

```
.border{ border-color:rgb(202, 128, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 128, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 128, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 128, 180);  
box-shadow:4px 4px 4px 4px rgb(202, 128,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.2902, 0.3396, 0.2636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 128, 180) }
```

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

```
.background{ background-color: rgb(202,  
128, 180) }
```

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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