

# Converting Colors

$Y_{xy}(40.5878, 0.3162, 0.2672)$

Have a look what the booklet for  
Yxy(40.5878, 0.3162, 0.2672)  
contains.

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# Color

**Yxy(40.6408, 0.3165, 0.2678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CE9ACD
RGB	206, 154, 205
RGB Percent	81%, 60%, 80%
CMY	0.1921, 0.3961, 0.1960
CMYK	0.00, 0.25, 0.00, 0.19
HSL	301°, 35%, 71%
HSV	301°, 25%, 81%
XYZ	48.0314, 40.6408, 63.0858
YIQ	175.3620, 14.6210, 26.8850

# Conversions

## Conversions Part 2

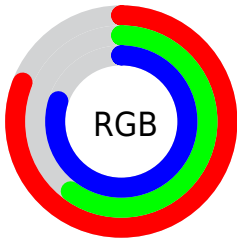
Format	Color
R <sub>YB</sub>	206, 154, 205
Decimal	13540045
CIE Lab	69.92, 27.90, -18.59
CIE LCh	70, 33.525, 326.325
Yxy	40.6408, 0.3165, 0.2678
Android (android.graphics.Color)	4291730125 (0xFFCE9ACD)
YUV	175.3620, 14.6115, 26.8695
Hunter-Lab	63.7501, 22.9249, -14.0471

# Details

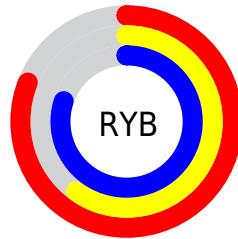
The Yxy color  $40.6408, 0.3165, 0.2678$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $53.3802, 0.3087, 0.3989$ , and the grayscale version is  $42.9856, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $74.0809, 0.3148, 0.2841$ , and  $18.3164, 0.3164, 0.2509$  is the 20% darker color. If you saturate the color by 10%, you get  $34.3974, 0.3181, 0.2438$ , and if you desaturate by 10%, it is  $48.0547, 0.3149, 0.2923$ .

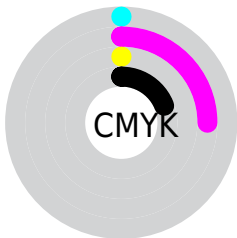
# Distribution



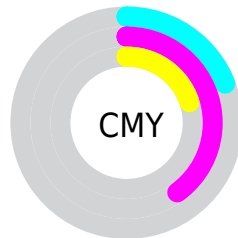
- Red (81%)
- Green (60%)
- Blue (80%)



- Red (81%)
- Yellow (60%)
- Blue (80%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (19%)




- Cyan (19%)
- Magenta (40%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6408, 0.3165, 0.2678 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 40.6408, 0.3165, 0.2678 by changing the saturation by 10% instead.




 40.6408, 0.3165,  
0.2678


 40.6408, 0.3165,  
0.2678


348.8171, 0.3152,  
0.2975

 28.0385, 0.3167,  
0.2607


 76.1383, 0.3162,  
0.2784

 18.3547, 0.3168,  
0.2516


 99.8023, 0.3160,  
0.2824

 11.2049, 0.3167,  
0.2399


127.9224, 0.3158,  
0.2859

 6.2049, 0.3164,  
0.2241

160.8829, 0.3157,  
0.2889

 2.9700, 0.3153,  
0.2018

199.0682, 0.3155,  
0.2915

 1.1161, 0.3120,  
0.1682

242.8628, 0.3154,

 0.0000, 0.3363,

0.2937

0.0000

292.6509, 0.3153,  
0.2957

0.0000, 0.0000,  
0.0000

40.6408, 0.3165,  
0.2678

40.6408, 0.3165,  
0.2678

34.3974, 0.3181,  
0.2438

48.0547, 0.3149,  
0.2923

29.2595, 0.3196,  
0.2213

56.6892, 0.3135,  
0.3166

25.1642, 0.3211,  
0.2011


66.5976, 0.3121,  
0.3400


22.0398, 0.3225,  
0.1842


77.8290, 0.3108,  
0.3622


19.8058, 0.3237,  
0.1713

89.1455, 0.3097,  
0.3809

 18.3686, 0.3246,  
0.1626


 89.1645, 0.3095,  
0.3805

 17.6141, 0.3254,  
0.1581

 89.1835, 0.3093,  
0.3801

 17.3926, 0.3257,  
0.1568

 89.2026, 0.3090,  
0.3796

 89.2217, 0.3088,  
0.3792

# Harmonies

## Analogous

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



40.6408, 0.2698, 0.2522



40.6408, 0.3165, 0.2678



40.6408, 0.3657, 0.2968

# Triad

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



40.6408, 0.3165, 0.2678



40.6408, 0.3912, 0.4045



40.6408, 0.2313, 0.3137

# Complementary

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



40.6408, 0.3165, 0.2678



53.3802, 0.3087, 0.3989

# 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.



40.6408, 0.2595, 0.3626



40.6408, 0.3165, 0.2678



40.6408, 0.3514, 0.4180

# Square

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



40.6408, 0.3165, 0.2678



40.6408, 0.4103, 0.3727



40.6408, 0.3030, 0.4033



40.6408, 0.2236, 0.2746



# Rectangle

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



40.6408, 0.3165, 0.2678



40.6408, 0.3918, 0.3211



40.6408, 0.3030, 0.4033



40.6408, 0.2385, 0.3296

# Sweetspot

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



40.6426, 0.3165, 0.2678



87.6432, 0.3139, 0.3097



34.5231, 0.2703, 0.2579



18.2941, 0.3141, 0.3060



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.



40.6426, 0.3165, 0.2678



60.4278, 0.3173, 0.2554



39.4937, 0.3405, 0.2978



11.4000, 0.3141, 0.3066



10.7112, 0.3256, 0.1567



0.5538, 0.3246, 0.1562



# Inverse Universe

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



40.6426, 0.3165, 0.2678



60.4278, 0.3173, 0.2554



54.3451, 0.2917, 0.3625



11.4000, 0.3141, 0.3066



10.7112, 0.3256, 0.1567



0.5538, 0.3246, 0.1562



# Previews

## White Background



This preview shows how the Yxy color 40.6408, 0.3165, 0.2678 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

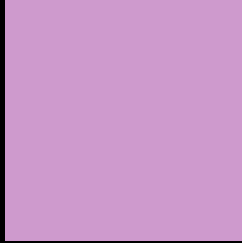
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.6408, 0.3165, 0.2678 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

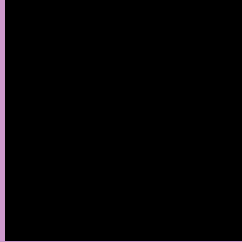
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.6408, 0.3165, 0.2678**

## Background



This preview shows how black text looks on a background with the Yxy color 40.6408, 0.3165, 0.2678.



This preview shows how white text looks on a background with the Yxy color 40.6408, 0.3165, 0.2678.

# 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

40.6408, 0.3165, 0.2678

### Protanopia

40.8074, 0.2693, 0.2675

### Deuteranopia

40.7199, 0.2880, 0.2818



## Tritanopia

40.6767, 0.3424, 0.3139

# Trichromacy



**Original Color**

40.6408, 0.3165, 0.2678

**Protanomaly**

40.6515, 0.2852, 0.2678

**Deuteranomaly**

40.3906, 0.2973, 0.2755

**Tritanomaly**

40.6109, 0.3324, 0.2966

# Monochromacy



**Original Color**

40.6408, 0.3165, 0.2678

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

41.6217, 0.3139, 0.3043

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.6408, 0.3165, 0.2678 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(206, 154, 205)` looks like.

```
.text, #text, p{  
    color:rgb(206, 154, 205)  
}
```

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(206, 154, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 154, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 40.6408, 0.3165, 0.2678 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(206, 154, 205) }
```

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

```
.border{ border-color:rgb(206, 154, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 154, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 154, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 154, 205);  
box-shadow:4px 4px 4px 4px rgb(206, 154,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.6408, 0.3165, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 154, 205) }
```

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

```
.background{ background-color: rgb(206,  
154, 205) }
```

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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