

# Converting Colors

Yxy(33.9379, 0.3169, 0.2316)

Have a look what the booklet for  
Yxy(33.9379, 0.3169, 0.2316)  
contains.

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# Color

**Yxy(34.0407, 0.3163, 0.2317)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D380D4
RGB	211, 128, 212
RGB Percent	83%, 50%, 83%
CMY	0.1725, 0.4981, 0.1686
CMYK	0.00, 0.40, 0.00, 0.17
HSL	299°, 49%, 67%
HSV	299°, 40%, 83%
XYZ	46.4699, 34.0407, 66.4065
YIQ	162.3930, 22.5040, 43.7200

# Conversions

## Conversions Part 2

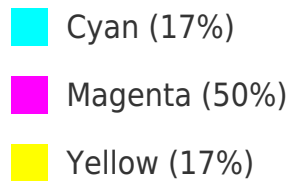
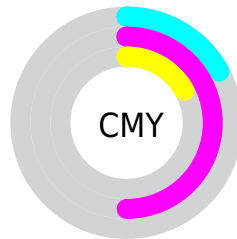
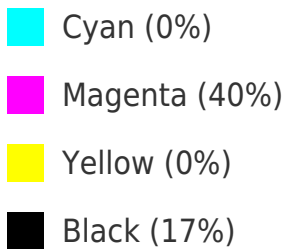
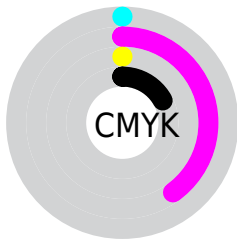
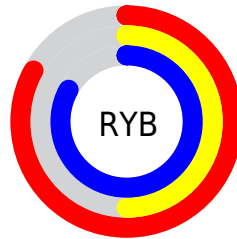
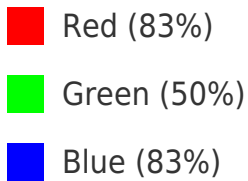
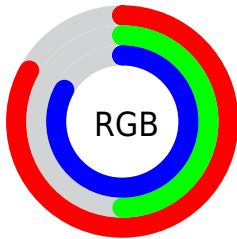
Format	Color
<a href="#">RYB</a>	<a href="#">211, 128, 212</a>
Decimal	<a href="#">13861076</a>
CIELab	<a href="#">64.99, 44.78, -29.96</a>
CIELCh	<a href="#">65, 53.879, 326.214</a>
Yxy	<a href="#">34.0407, 0.3163, 0.2317</a>
Android (android.graphics.Color)	<a href="#">4292051156</a> (0xFFD380D4)
YUV	<a href="#">162.3930, 24.4563, 42.6283</a>
Hunter-Lab	<a href="#">58.3444, 40.0682, -26.6417</a>

# Details

The Yxy color **34.0407, 0.3163, 0.2317** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **53.3095, 0.3077, 0.4495**, and the grayscale version is **36.2011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **14.5718, 0.3156, 0.2073** is the 20% darker color. If you saturate the color by 10%, you get **29.0413, 0.3170, 0.2096**, and if you desaturate by 10%, it is **40.1984, 0.3155, 0.2557**.

# Distribution





# Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0407, 0.3163, 0.2317 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 34.0407, 0.3163, 0.2317 by changing the saturation by 10% instead.





 34.0407, 0.3163,  
0.2317


 34.0407, 0.3163,  
0.2317


 320.3135, 0.3160,  
0.2785

 22.9249, 0.3159,  
0.2207


 65.9970, 0.3165,  
0.2483


 14.5380, 0.3152,  
0.2069


 87.6062, 0.3165,  
0.2546


 8.4958, 0.3138,  
0.1893


 113.4820, 0.3165,  
0.2600

 4.4138, 0.3112,  
0.1662

 144.0087, 0.3164,  
0.2647

 1.9076, 0.3057,  
0.1351

 179.5709, 0.3163,  
0.2689

 0.5530, 0.2952,  
0.0867

 220.5528, 0.3162,


 0.0000, 0.2623,


0.2725


0.0000


267.3389, 0.3161,  
0.2757


 0.0000, 0.0000,  
0.0000


 34.0407, 0.3163,  
0.2317


 34.0407, 0.3163,  
0.2317

 29.0413, 0.3170,  
0.2096

 40.1984, 0.3155,  
0.2557


 25.1232, 0.3176,  
0.1904


 47.5761, 0.3146,  
0.2806


 22.2072, 0.3180,  
0.1748


 56.2366, 0.3136,  
0.3055


 20.2012, 0.3182,  
0.1634

 66.2371, 0.3127,  
0.3299

 18.9965, 0.3182,  
0.1562


 77.6311, 0.3118,  
0.3532

 18.4039, 0.3180,  
0.1527

 90.3451, 0.3109,  
0.3748

 18.3852, 0.3180,  
0.1525

 90.3820, 0.3110,  
0.3748

 90.4189, 0.3112,  
0.3747

 90.4560, 0.3113,  
0.3747

# Harmonies

## Analogous

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



34.0407, 0.2406, 0.2077



34.0407, 0.3163, 0.2317



34.0407, 0.4018, 0.2751

# Triad

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



34.0407, 0.3163, 0.2317



34.0407, 0.4388, 0.4478



34.0407, 0.1812, 0.2982

# Complementary

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



34.0407, 0.3163, 0.2317



53.3095, 0.3077, 0.4495

# 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.



34.0407, 0.2228, 0.3871



34.0407, 0.3163, 0.2317



34.0407, 0.3709, 0.4823

# Square

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



34.0407, 0.3163, 0.2317



34.0407, 0.4757, 0.3909



34.0407, 0.2919, 0.4636



34.0407, 0.1715, 0.2362



# Rectangle

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



34.0407, 0.3163, 0.2317



34.0407, 0.4479, 0.3113



34.0407, 0.2919, 0.4636



34.0407, 0.1915, 0.3260

# Sweetspot

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



34.0422, 0.3163, 0.2317



81.9389, 0.3139, 0.2993



25.1474, 0.2401, 0.2105



17.1563, 0.3140, 0.2960



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.



34.0422, 0.3163, 0.2317



44.8759, 0.3169, 0.2120



32.3895, 0.3600, 0.2759



12.6250, 0.3136, 0.3060



11.3537, 0.3180, 0.1526



0.6872, 0.3186, 0.1529



# Inverse Universe

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



31.0185, 0.4107, 0.3281



39.6478, 0.4456, 0.3279



54.5241, 0.2829, 0.3898



12.4231, 0.3289, 0.3288



8.6455, 0.6387, 0.3292

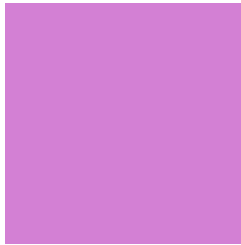


0.5223, 0.6344, 0.3268



# Previews

## White Background



This preview shows how the Yxy color 34.0407, 0.3163, 0.2317 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

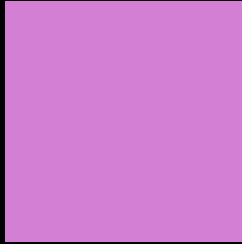
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.0407, 0.3163, 0.2317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

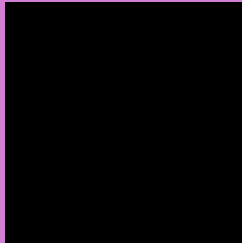
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.0407, 0.3163, 0.2317**

## Background



This preview shows how black text looks on a background with the Yxy color 34.0407, 0.3163, 0.2317.



This preview shows how white text looks on a background with the Yxy color 34.0407, 0.3163, 0.2317.

# 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

34.0407, 0.3163, 0.2317

### Protanopia

34.6230, 0.2362, 0.2256

### Deuteranopia

34.1507, 0.2634, 0.2569



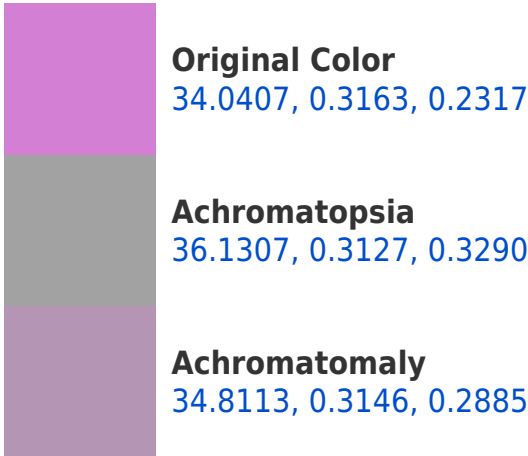
## Tritanopia

34.0133, 0.3687, 0.3149

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.0407, 0.3163, 0.2317 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(211, 128, 212) looks like.

```
.text, #text, p{  
    color:rgb(211, 128, 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(211, 128, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 128, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 34.0407, 0.3163, 0.2317 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(211, 128, 212) }
```

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

```
.border{ border-color:rgb(211, 128, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 128, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 128, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 128, 212);  
box-shadow:4px 4px 4px 4px rgb(211, 128,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.0407, 0.3163, 0.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 128, 212) }
```

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

```
.background{ background-color: rgb(211,  
128, 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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