

# Converting Colors

$Y_{xy}(34.0032, 0.2942, 0.2295)$

Have a look what the booklet for  
Yxy(34.0032, 0.2942, 0.2295)  
contains.

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**Color**

**Yxy(34.1396, 0.2944, 0.2300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C288DA
RGB	194, 136, 218
RGB Percent	76%, 53%, 85%
CMY	0.2393, 0.4666, 0.1452
CMYK	0.11, 0.38, 0.00, 0.15
HSL	282°, 53%, 69%
HSV	282°, 38%, 85%
XYZ	43.6987, 34.1396, 70.5948
YIQ	162.6900, 8.2460, 37.7980

# Conversions

## Conversions Part 2

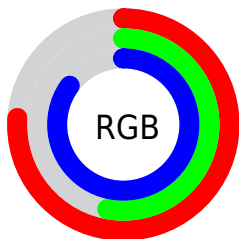
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 136, 218
Decimal	12749018
CIELab	65.07, 36.45, -33.32
CIELCh	65, 49.385, 317.569
Yxy	34.1396, 0.2944, 0.2300
Android (android.graphics.Color)	4290939098 (0xFFC288DA)
YUV	162.6900, 27.2678, 27.4589
Hunter-Lab	58.4291, 31.2479, -30.7345

# Details

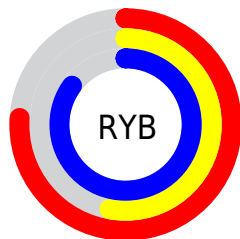
The Yxy color **34.1396, 0.2944, 0.2300** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.3807, 0.3240, 0.4372**, and the grayscale version is **36.3391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7424, 0.3134, 0.2649**, and **14.6303, 0.2867, 0.2045** is the 20% darker color. If you saturate the color by 10%, you get **27.7856, 0.2877, 0.2032**, and if you desaturate by 10%, it is **41.7812, 0.3004, 0.2574**.

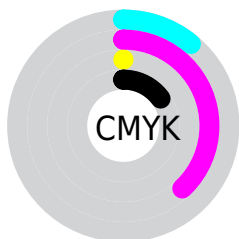
# Distribution



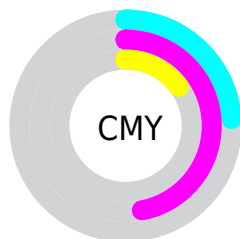
- Red (76%)
- Green (53%)
- Blue (85%)



- Red (76%)
- Yellow (53%)
- Blue (85%)



- Cyan (11%)
- Magenta (38%)
- Yellow (0%)
- Black (15%)




- Cyan (24%)
- Magenta (47%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1396, 0.2944, 0.2300 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 34.1396, 0.2944, 0.2300 by changing the saturation by 10% instead.





 34.1396, 0.2944,  
0.2300


 34.1396, 0.2944,  
0.2300


320.7541, 0.3052,  
0.2778


 23.0009, 0.2913,  
0.2187


 66.1507, 0.2987,  
0.2469

 14.5941, 0.2870,  
0.2046


 87.7919, 0.3002,  
0.2534

 8.5350, 0.2810,  
0.1867


 113.7026, 0.3014,  
0.2590

 4.4392, 0.2719,  
0.1632

144.2673, 0.3024,  
0.2637

 1.9221, 0.2574,  
0.1315

179.8705, 0.3033,  
0.2679

 0.5616, 0.2330,  
0.0835

220.8964, 0.3040,


 0.0000, 0.1593,


0.2716


0.0000

267.7294, 0.3046,  
0.2749

 0.0000, 0.0000,  
0.0000

 34.1396, 0.2944,  
0.2300


 34.1396, 0.2944,  
0.2300


 27.7856, 0.2877,  
0.2032


 41.7812, 0.3004,  
0.2574

 22.6383, 0.2803,  
0.1782


 50.7762, 0.3055,  
0.2844


 18.6141, 0.2725,  
0.1560


 61.1911, 0.3099,  
0.3103


 15.6169, 0.2646,  
0.1378

 73.0867, 0.3135,  
0.3347

 13.5339, 0.2566,  
0.1242


 86.5202, 0.3165,  
0.3573


 12.2101, 0.2490,  
0.1154

 93.7813, 0.3199,  
0.3668

 11.9446, 0.2472,  
0.1135

 94.8705, 0.3240,  
0.3664

 95.9990, 0.3281,  
0.3659

 97.1671, 0.3322,  
0.3654

# Harmonies

## Analogous

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



34.1396, 0.2303, 0.2137



34.1396, 0.2944, 0.2300



34.1396, 0.3728, 0.2661

# Triad

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



34.1396, 0.2944, 0.2300



34.1396, 0.4433, 0.4263



34.1396, 0.1992, 0.3235

# Complementary

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



34.1396, 0.2944, 0.2300



59.3807, 0.3240, 0.4372

# 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.



34.1396, 0.2467, 0.4053



34.1396, 0.2944, 0.2300



34.1396, 0.3876, 0.4648

# Square

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



34.1396, 0.2944, 0.2300



34.1396, 0.4645, 0.3719



34.1396, 0.3156, 0.4621



34.1396, 0.1811, 0.2573



# Rectangle

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



34.1396, 0.2944, 0.2300



34.1396, 0.4202, 0.2983



34.1396, 0.3156, 0.4621



34.1396, 0.2119, 0.3506

# Sweetspot

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



34.1410, 0.2944, 0.2300



81.8662, 0.3084, 0.3014



35.6490, 0.2491, 0.2503



17.0828, 0.3079, 0.2978



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.



34.1410, 0.2944, 0.2300



41.4843, 0.2892, 0.2090



36.7599, 0.3327, 0.2531



13.0734, 0.3091, 0.3056



7.2161, 0.2483, 0.1141



0.5110, 0.2605, 0.1209



# Inverse Universe

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



35.0542, 0.3771, 0.3001



43.1395, 0.3974, 0.2942



57.6437, 0.2978, 0.4195



13.1139, 0.3246, 0.3222



9.1669, 0.5777, 0.2956

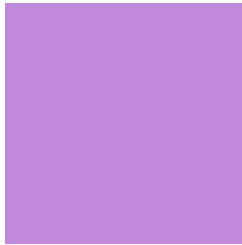


0.6087, 0.5308, 0.2697



# Previews

## White Background



This preview shows how the Yxy color 34.1396, 0.2944, 0.2300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

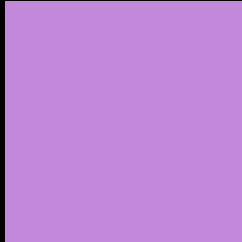
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.1396, 0.2944, 0.2300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

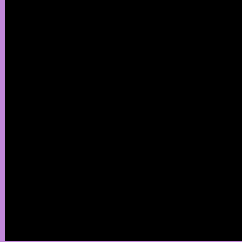
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.1396, 0.2944, 0.2300**

## Background



This preview shows how black text looks on a background with the Yxy color 34.1396, 0.2944, 0.2300.



This preview shows how white text looks on a background with the Yxy color 34.1396, 0.2944, 0.2300.

# 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

34.1396, 0.2944, 0.2300

### Protanopia

34.6230, 0.2362, 0.2256

### Deuteranopia

34.3828, 0.2550, 0.2492



## Tritanopia

34.0322, 0.3394, 0.3126

# Trichromacy



## Original Color

34.1396, 0.2944, 0.2300



## Protanomaly

34.0649, 0.2546, 0.2267



## Deuteranomaly

33.9783, 0.2683, 0.2418



## Tritanomaly

33.9741, 0.3221, 0.2802

# Monochromacy



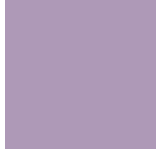
## Original Color

34.1396, 0.2944, 0.2300



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

35.2000, 0.3060, 0.2880

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.1396, 0.2944, 0.2300 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(194, 136, 218)` looks like.

```
.text, #text, p{  
    color:rgb(194, 136, 218)  
}
```

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(194, 136, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 136, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 34.1396, 0.2944, 0.2300 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(194, 136, 218) }
```

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

```
.border{ border-color:rgb(194, 136, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 136, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 136, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 136, 218);  
box-shadow:4px 4px 4px 4px rgb(194, 136,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.1396, 0.2944, 0.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 136, 218) }
```

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

```
.background{ background-color: rgb(194,  
136, 218) }
```

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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