

# Converting Colors

$Y_{xy}(35.9923, 0.3434, 0.2579)$

Have a look what the booklet for  
Yxy(35.9923, 0.3434, 0.2579)  
contains.

<b>Yxy(36.0423, 0.3438, 0.2585)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(36.0423, 0.3438, 0.2585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD85C2
RGB	221, 133, 194
RGB Percent	87%, 52%, 76%
CMY	0.1334, 0.4783, 0.2393
CMYK	0.00, 0.40, 0.12, 0.13
HSL	318°, 56%, 69%
HSV	318°, 40%, 87%
XYZ	47.9356, 36.0423, 55.4508
YIQ	166.2660, 32.8670, 37.6270

# Conversions

## Conversions Part 2

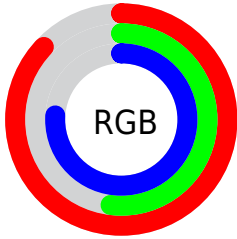
Format	Color
R <sub>Y</sub> B	221, 133, 194
Decimal	14517698
CIE Lab	66.55, 42.17, -17.38
CIE LCh	67, 45.608, 337.595
Yxy	36.0423, 0.3438, 0.2585
Android (android.graphics.Color)	4292707778 (0xFFDD85C2)
YUV	166.2660, 13.6729, 48.0017
Hunter-Lab	60.0352, 37.4629, -12.7378

# Details

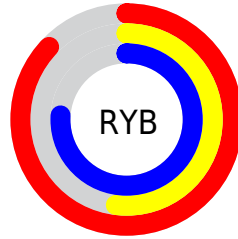
The Yxy color **36.0423, 0.3438, 0.2585** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.2281, 0.2916, 0.4125**, and the grayscale version is **38.1907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1915, 0.3187, 0.2670**, and **15.6708, 0.3521, 0.2401** is the 20% darker color. If you saturate the color by 10%, you get **30.3172, 0.3546, 0.2417**, and if you desaturate by 10%, it is **43.0574, 0.3342, 0.2764**.

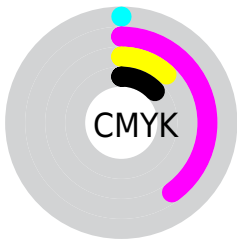
# Distribution



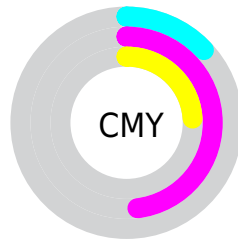
- Red (87%)
- Green (52%)
- Blue (76%)



- Red (87%)
- Yellow (52%)
- Blue (76%)



- Cyan (0%)
- Magenta (40%)
- Yellow (12%)
- Black (13%)



- Cyan (13%)
- Magenta (48%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0423, 0.3438, 0.2585 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 36.0423, 0.3438, 0.2585 by changing the saturation by 10% instead.




 36.0423, 0.3438,  
0.2585


 36.0423, 0.3438,  
0.2585


329.1454, 0.3286,  
0.2930


 24.4669, 0.3475,  
0.2501


 69.0973, 0.3384,  
0.2709

 15.6803, 0.3521,  
0.2395


 91.3458, 0.3363,  
0.2756

 9.2982, 0.3581,  
0.2258

 117.9206, 0.3346,  
0.2796

 4.9362, 0.3662,  
0.2071

149.2063, 0.3330,  
0.2830

 2.2099, 0.3776,  
0.1806

185.5872, 0.3317,  
0.2860

 0.7254, 0.3952,  
0.1393

227.4478, 0.3306,


 0.0000, 0.4546,


0.2886


0.0000


275.1724, 0.3295,  
0.2910

 0.0000, 0.0000,  
0.0000


 36.0423, 0.3438,  
0.2585


 36.0423, 0.3438,  
0.2585


 30.3172, 0.3546,  
0.2417


 43.0574, 0.3342,  
0.2764

 25.7964, 0.3666,  
0.2270


 51.4312, 0.3258,  
0.2945

 22.3919, 0.3793,  
0.2155

 61.2334, 0.3187,  
0.3123

 20.0011, 0.3925,  
0.2082

 72.5274, 0.3126,  
0.3293

 18.5025, 0.4056,  
0.2058


 85.3728, 0.3075,  
0.3454

 17.6864, 0.4184,  
0.2079

 92.8682, 0.3034,  
0.3499

 17.6724, 0.4186,  
0.2080

 93.2673, 0.2996,  
0.3428

 93.6815, 0.2959,  
0.3358

 94.1084, 0.2923,  
0.3289

# Harmonies

## Analogous

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



36.0423, 0.2746, 0.2305



36.0423, 0.3438, 0.2585



36.0423, 0.4102, 0.3015

# Triad

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



36.0423, 0.3438, 0.2585



36.0423, 0.4015, 0.4447



36.0423, 0.1942, 0.2817

# Complementary

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



36.0423, 0.3438, 0.2585



59.2281, 0.2916, 0.4125

# 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.



36.0423, 0.2207, 0.3490



36.0423, 0.3438, 0.2585



36.0423, 0.3389, 0.4552

# Square

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



36.0423, 0.3438, 0.2585



36.0423, 0.4429, 0.4038



36.0423, 0.2727, 0.4188



36.0423, 0.1952, 0.2387



# Rectangle

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



36.0423, 0.3438, 0.2585



36.0423, 0.4397, 0.3350



36.0423, 0.2727, 0.4188



36.0423, 0.1999, 0.3020

# Sweetspot

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



36.0440, 0.3438, 0.2585



81.4161, 0.3202, 0.3083



29.4140, 0.2607, 0.2141



17.0326, 0.3211, 0.3059



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.



36.0440, 0.3438, 0.2585



42.9571, 0.3530, 0.2440



34.3722, 0.3922, 0.3081



13.2032, 0.3184, 0.3129



10.2897, 0.4167, 0.2069



0.6818, 0.3974, 0.1963



# Inverse Universe

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



36.0440, 0.3438, 0.2585



42.9571, 0.3530, 0.2440



61.0192, 0.2672, 0.3518



13.2032, 0.3184, 0.3129



10.2897, 0.4167, 0.2069



0.6818, 0.3974, 0.1963



# Previews

## White Background



This preview shows how the Yxy color 36.0423, 0.3438, 0.2585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

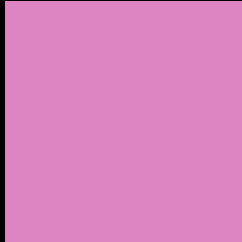
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.0423, 0.3438, 0.2585 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 36.0423, 0.3438, 0.2585**

## Background



This preview shows how black text looks on a background with the Yxy color 36.0423, 0.3438, 0.2585.



This preview shows how white text looks on a background with the Yxy color 36.0423, 0.3438, 0.2585.

# 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

36.0423, 0.3438, 0.2585

### Protanopia

36.2416, 0.2609, 0.2570

### Deuteranopia

36.1272, 0.2926, 0.2862



## Tritanopia

35.9157, 0.3824, 0.3157

# Trichromacy



## Original Color

36.0423, 0.3438, 0.2585



## Protanomaly

35.3829, 0.2874, 0.2560



## Deuteranomaly

35.5708, 0.3095, 0.2741



## Tritanomaly

35.8724, 0.3688, 0.2941

# Monochromacy



## Original Color

36.0423, 0.3438, 0.2585



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

36.6849, 0.3239, 0.2997

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.0423, 0.3438, 0.2585 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(221, 133, 194)` looks like.

```
.text, #text, p{  
    color:rgb(221, 133, 194)  
}
```

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(221, 133, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 133, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 36.0423, 0.3438, 0.2585 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(221, 133, 194) }
```

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

```
.border{ border-color:rgb(221, 133, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 133, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 133, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 133, 194);  
box-shadow:4px 4px 4px 4px rgb(221, 133,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.0423, 0.3438, 0.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 133, 194) }
```

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

```
.background{ background-color: rgb(221,  
133, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor