

# Converting Colors

$Y_{xy}(34.3696, 0.3227, 0.2447)$

Have a look what the booklet for  
Yxy(34.3696, 0.3227, 0.2447)  
contains.

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**Color**

**Yxy(34.3696, 0.3227, 0.2447)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D184CB
RGB	209, 132, 203
RGB Percent	82%, 52%, 80%
CMY	0.1804, 0.4823, 0.2038
CMYK	0.00, 0.37, 0.03, 0.18
HSL	305°, 46%, 67%
HSV	305°, 37%, 82%
XYZ	45.3252, 34.3696, 60.7613
YIQ	163.1170, 23.1010, 38.4050

# Conversions

## Conversions Part 2

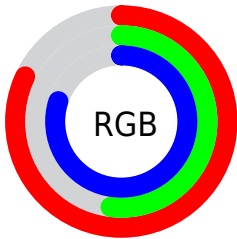
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 132, 203
Decimal	13731019
CIE Lab	65.25, 40.40, -24.56
CIE LCh	65, 47.280, 328.698
Yxy	34.3696, 0.3227, 0.2447
Android (android.graphics.Color)	4291921099 (0xFFD184CB)
YUV	163.1170, 19.6623, 40.2394
Hunter-Lab	58.6256, 35.4088, -20.4120

# Details

The Yxy color **34.3696, 0.3227, 0.2447** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.3357, 0.3039, 0.4310**, and the grayscale version is **36.5824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5978, 0.3159, 0.2614**, and **14.6796, 0.3235, 0.2216** is the 20% darker color. If you saturate the color by 10%, you get **29.1824, 0.3259, 0.2233**, and if you desaturate by 10%, it is **40.6960, 0.3197, 0.2674**.

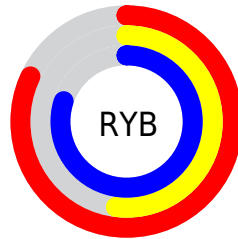
# Distribution



Red (82%)

Green (52%)

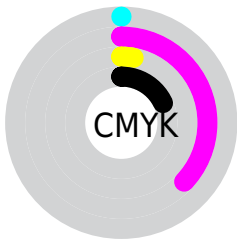
Blue (80%)



Red (82%)

Yellow (52%)

Blue (80%)

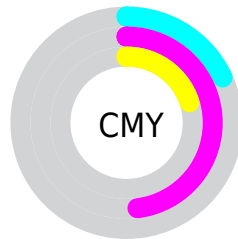


Cyan (0%)

Magenta (37%)

Yellow (3%)

Black (18%)



Cyan (18%)

Magenta (48%)


Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3696, 0.3227, 0.2447 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 34.3696, 0.3227, 0.2447 by changing the saturation by 10% instead.




 34.3696, 0.3227,  
0.2447


 34.3696, 0.3227,  
0.2447


321.7770, 0.3187,  
0.2858


 23.1777, 0.3234,  
0.2348


 66.5080, 0.3215,  
0.2594

 14.7248, 0.3241,  
0.2224


 88.2233, 0.3210,  
0.2649

 8.6264, 0.3246,  
0.2064


 114.2152, 0.3205,  
0.2697

 4.4983, 0.3248,  
0.1849

144.8680, 0.3201,  
0.2738

 1.9560, 0.3238,  
0.1551

180.5662, 0.3197,  
0.2774

 0.5817, 0.3208,  
0.1067

221.6942, 0.3193,

 0.0000, 0.2962,


0.2805

0.0000


268.6363, 0.3190,  
0.2833


 0.0000, 0.0000,  
0.0000


 34.3696, 0.3227,  
0.2447


 34.3696, 0.3227,  
0.2447


 29.1824, 0.3259,  
0.2233


 40.6960, 0.3197,  
0.2674

 25.0616, 0.3291,  
0.2043


 48.2194, 0.3169,  
0.2907

 21.9333, 0.3323,  
0.1886


 56.9994, 0.3143,  
0.3137


 19.7121, 0.3354,  
0.1768

 67.0902, 0.3120,  
0.3359

 18.2984, 0.3382,  
0.1694


 78.5428, 0.3100,  
0.3570


 17.5616, 0.3408,  
0.1661

 89.8646, 0.3083,  
0.3743

 17.3952, 0.3416,  
0.1655

 89.9470, 0.3074,  
0.3725

 90.0303, 0.3065,  
0.3707

 90.1145, 0.3056,  
0.3689

# Harmonies

## Analogous

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



34.3696, 0.2540, 0.2213



34.3696, 0.3227, 0.2447



34.3696, 0.3966, 0.2854

# Triad

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



34.3696, 0.3227, 0.2447



34.3696, 0.4215, 0.4394



34.3696, 0.1938, 0.2976

# Complementary

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



34.3696, 0.3227, 0.2447



52.3357, 0.3039, 0.4310

# 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.



34.3696, 0.2296, 0.3732



34.3696, 0.3227, 0.2447



34.3696, 0.3604, 0.4636

# Square

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



34.3696, 0.3227, 0.2447



34.3696, 0.4555, 0.3910



34.3696, 0.2901, 0.4408



34.3696, 0.1867, 0.2443



# Rectangle

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



34.3696, 0.3227, 0.2447



34.3696, 0.4349, 0.3189



34.3696, 0.2901, 0.4408



34.3696, 0.2026, 0.3213

# Sweetspot

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



34.3711, 0.3227, 0.2447



83.2517, 0.3154, 0.3039



26.4373, 0.2501, 0.2196



17.4150, 0.3157, 0.3007



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.



34.3711, 0.3227, 0.2447



47.5178, 0.3251, 0.2282



32.7880, 0.3626, 0.2874



11.9926, 0.3149, 0.3078



10.7333, 0.3412, 0.1653



0.6049, 0.3371, 0.1631



# Inverse Universe

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



34.3711, 0.3227, 0.2447



47.5178, 0.3251, 0.2282



53.6216, 0.2808, 0.3754



11.9926, 0.3149, 0.3078



10.7333, 0.3412, 0.1653

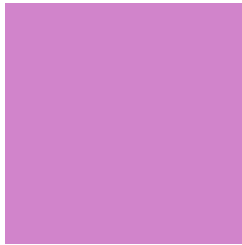


0.6049, 0.3371, 0.1631



# Previews

## White Background



This preview shows how the Yxy color 34.3696, 0.3227, 0.2447 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

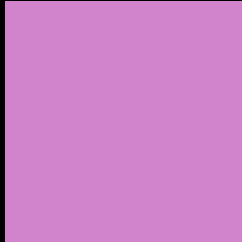
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.3696, 0.3227, 0.2447 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

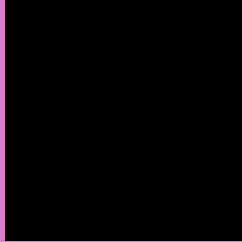
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.3696, 0.3227, 0.2447**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.3696, 0.3227, 0.2447.



This preview shows how white text looks on a background with the Yxy color 34.3696, 0.3227, 0.2447.

# 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

34.3696, 0.3227, 0.2447

### Protanopia

34.8234, 0.2486, 0.2421

### Deuteranopia

34.7705, 0.2750, 0.2692



## Tritanopia

34.3424, 0.3673, 0.3149

# Trichromacy



## Original Color

34.3696, 0.3227, 0.2447



## Protanomaly

33.9274, 0.2714, 0.2421



## Deuteranomaly

34.0362, 0.2913, 0.2587



## Tritanomaly

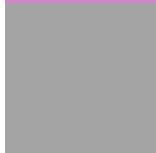
34.0964, 0.3508, 0.2874

# Monochromacy



## Original Color

34.3696, 0.3227, 0.2447



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

35.3741, 0.3163, 0.2938

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.3696, 0.3227, 0.2447 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(209, 132, 203)` looks like.

```
.text, #text, p{  
    color:rgb(209, 132, 203)  
}
```

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(209, 132, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 132, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 34.3696, 0.3227, 0.2447 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(209, 132, 203) }
```

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

```
.border{ border-color:rgb(209, 132, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 132, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 132, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 132, 203);  
box-shadow:4px 4px 4px 4px rgb(209, 132,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.3696, 0.3227, 0.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 132, 203) }
```

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

```
.background{ background-color: rgb(209,  
132, 203) }
```

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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