

# Converting Colors

$Y_{xy}(33.8758, 0.3216, 0.2265)$

Have a look what the booklet for  
Yxy(33.8758, 0.3216, 0.2265)  
contains.

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# Color

**Yxy(33.9264, 0.3216, 0.2266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA7BD6
RGB	218, 123, 214
RGB Percent	85%, 48%, 84%
CMY	0.1449, 0.5178, 0.1607
CMYK	0.00, 0.44, 0.02, 0.14
HSL	303°, 56%, 67%
HSV	303°, 44%, 86%
XYZ	48.1497, 33.9264, 67.6432
YIQ	161.7790, 27.4090, 48.4410

# Conversions

## Conversions Part 2

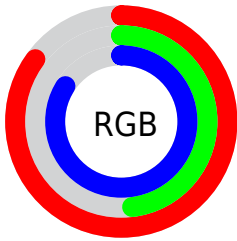
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 123, 214
Decimal	14318550
CIE Lab	64.90, 49.86, -31.16
CIE LCh	65, 58.800, 327.993
Yxy	33.9264, 0.3216, 0.2266
Android (android.graphics.Color)	4292508630 (0xFFDA7BD6)
YUV	161.7790, 25.7450, 49.3058
Hunter-Lab	58.2464, 45.6270, -28.0827

# Details

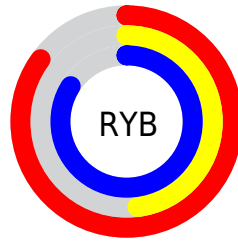
The Yxy color **33.9264, 0.3216, 0.2266** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **55.9158, 0.3042, 0.4586**, and the grayscale version is **35.8894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3208, 0.3163, 0.2536**, and **14.4606, 0.3216, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **29.0618, 0.3238, 0.2063**, and if you desaturate by 10%, it is **39.9990, 0.3194, 0.2491**.

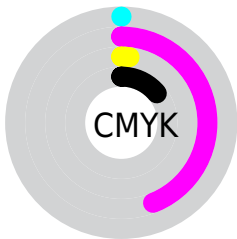
# Distribution



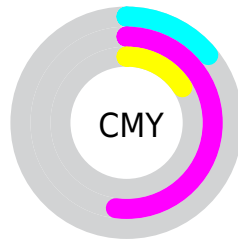
- Red (85%)
- Green (48%)
- Blue (84%)



- Red (85%)
- Yellow (48%)
- Blue (84%)



- Cyan (0%)
- Magenta (44%)
- Yellow (2%)
- Black (14%)



- Cyan (14%)
- Magenta (52%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9264, 0.3216, 0.2266 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 33.9264, 0.3216, 0.2266 by changing the saturation by 10% instead.





 33.9264, 0.3216,  
0.2266


 33.9264, 0.3216,  
0.2266


319.8037, 0.3188,  
0.2756


 22.8371, 0.3218,  
0.2152


 65.8192, 0.3209,  
0.2438

 14.4732, 0.3218,  
0.2010


 87.3915, 0.3206,  
0.2505

 8.4505, 0.3214,  
0.1829


 113.2268, 0.3202,  
0.2561

 4.3846, 0.3200,  
0.1595

143.7096, 0.3199,  
0.2611

 1.8909, 0.3162,  
0.1282

179.2243, 0.3196,  
0.2654

 0.5429, 0.3085,  
0.0803

220.1553, 0.3193,

 0.0000, 0.2863,

0.2692

0.0000

266.8870, 0.3190,  
0.2725

0.0000, 0.0000,  
0.0000

33.9264, 0.3216,  
0.2266

33.9264, 0.3216,  
0.2266

29.0618, 0.3238,  
0.2063

39.9990, 0.3194,  
0.2491

25.3197, 0.3259,  
0.1890

47.3485, 0.3173,  
0.2729

22.6107, 0.3279,  
0.1756


56.0442, 0.3152,  
0.2970

20.8299, 0.3296,  
0.1665


66.1488, 0.3134,  
0.3206

19.8501, 0.3311,  
0.1617

77.7212, 0.3116,  
0.3434

 19.5085, 0.3320,  
0.1602

 90.8171, 0.3101,  
0.3649

 91.6293, 0.3095,  
0.3651

 91.6787, 0.3090,  
0.3641

 91.7283, 0.3085,  
0.3631

# Harmonies

## Analogous

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



33.9264, 0.2385, 0.1997



33.9264, 0.3216, 0.2266



33.9264, 0.4150, 0.2737

# Triad

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



33.9264, 0.3216, 0.2266



33.9264, 0.4441, 0.4590



33.9264, 0.1695, 0.2892

# Complementary

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



33.9264, 0.3216, 0.2266



55.9158, 0.3042, 0.4586

# 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.



33.9264, 0.2112, 0.3864



33.9264, 0.3216, 0.2266



33.9264, 0.3690, 0.4971

# Square

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



33.9264, 0.3216, 0.2266



33.9264, 0.4881, 0.3972



33.9264, 0.2838, 0.4743



33.9264, 0.1616, 0.2252



# Rectangle

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



33.9264, 0.3216, 0.2266



33.9264, 0.4638, 0.3124



33.9264, 0.2838, 0.4743



33.9264, 0.1795, 0.3190

# Sweetspot

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



33.9279, 0.3216, 0.2266



80.5525, 0.3151, 0.2981



23.6677, 0.2335, 0.1948



16.6095, 0.3156, 0.2928



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.



33.9279, 0.3216, 0.2266



42.1399, 0.3235, 0.2085



31.8745, 0.3724, 0.2760



13.2648, 0.3144, 0.3069



11.6843, 0.3318, 0.1601



0.7600, 0.3299, 0.1591



# Inverse Universe

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



33.9279, 0.3216, 0.2266



42.1399, 0.3235, 0.2085



57.4270, 0.2778, 0.3904



13.2648, 0.3144, 0.3069



11.6843, 0.3318, 0.1601



0.7600, 0.3299, 0.1591



# Previews

## White Background



This preview shows how the Yxy color 33.9264, 0.3216, 0.2266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

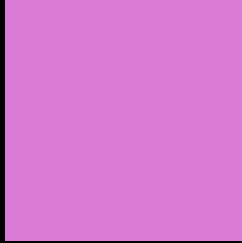
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.9264, 0.3216, 0.2266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

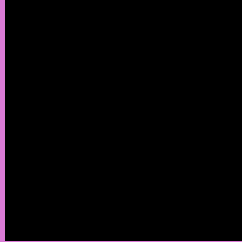
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.9264, 0.3216, 0.2266**

## **Background**



This preview shows how black text looks on a background with the Yxy color 33.9264, 0.3216, 0.2266.



This preview shows how white text looks on a background with the Yxy color 33.9264, 0.3216, 0.2266.

# 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

33.9264, 0.3216, 0.2266

### Protanopia

34.3232, 0.2303, 0.2175

### Deuteranopia

34.1077, 0.2619, 0.2555



## Tritanopia

34.0167, 0.3817, 0.3166

# Trichromacy



## Original Color

33.9264, 0.3216, 0.2266



## Protanomaly

32.9915, 0.2565, 0.2173



## Deuteranomaly

33.0687, 0.2811, 0.2416



## Tritanomaly

33.8997, 0.3592, 0.2814

# Monochromacy



## Original Color

33.9264, 0.3216, 0.2266



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

34.4611, 0.3158, 0.2847

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.9264, 0.3216, 0.2266 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(218, 123, 214)` looks like.

```
.text, #text, p{  
    color:rgb(218, 123, 214)  
}
```

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(218, 123, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 123, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 33.9264, 0.3216, 0.2266 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(218, 123, 214) }
```

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

```
.border{ border-color:rgb(218, 123, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 123, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 123, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 123, 214);  
box-shadow:4px 4px 4px 4px rgb(218, 123,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.9264, 0.3216, 0.2266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 123, 214) }
```

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

```
.background{ background-color: rgb(218,  
123, 214) }
```

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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