

# Converting Colors

$Y_{xy}(35.3350, 0.3204, 0.2298)$

Have a look what the booklet for  
Yxy(35.3350, 0.3204, 0.2298)  
contains.

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# Color

**Yxy(35.4563, 0.3203, 0.2302)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB80D8
RGB	219, 128, 216
RGB Percent	86%, 50%, 85%
CMY	0.1411, 0.4981, 0.1528
CMYK	0.00, 0.42, 0.01, 0.14
HSL	302°, 56%, 68%
HSV	302°, 42%, 86%
XYZ	49.3339, 35.4563, 69.2337
YIQ	165.2410, 25.9880, 46.6600

# Conversions

## Conversions Part 2

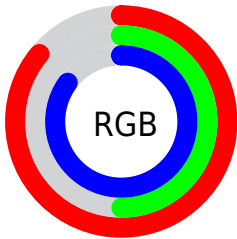
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 128, 216
Decimal	14385368
CIE Lab	66.10, 47.94, -30.43
CIE LCh	66, 56.778, 327.596
Yxy	35.4563, 0.3203, 0.2302
Android (android.graphics.Color)	4292575448 (0xFFDB80D8)
YUV	165.2410, 25.0242, 47.1466
Hunter-Lab	59.5452, 43.6851, -27.2554

# Details

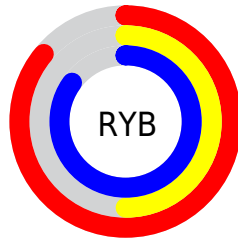
The Yxy color **35.4563, 0.3203, 0.2302** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.8967, 0.3051, 0.4528**, and the grayscale version is **37.6175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **15.2867, 0.3199, 0.2051** is the 20% darker color. If you saturate the color by 10%, you get **30.3115, 0.3222, 0.2092**, and if you desaturate by 10%, it is **41.8374, 0.3184, 0.2532**.

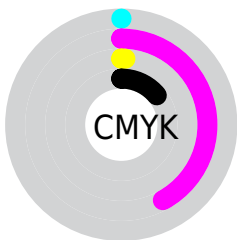
# Distribution



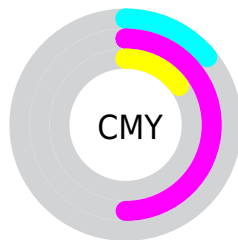
- Red (86%)
- Green (50%)
- Blue (85%)



- Red (86%)
- Yellow (50%)
- Blue (85%)



- Cyan (0%)
- Magenta (42%)
- Yellow (1%)
- Black (14%)




- Cyan (14%)
- Magenta (50%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4563, 0.3203, 0.2302 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 35.4563, 0.3203, 0.2302 by changing the saturation by 10% instead.





 35.4563, 0.3203,  
0.2302


 35.4563, 0.3203,  
0.2302


326.5779, 0.3180,  
0.2773


 24.0146, 0.3204,  
0.2192


 68.1920, 0.3198,  
0.2467

 15.3444, 0.3203,  
0.2056


 90.2549, 0.3195,  
0.2531

 9.0615, 0.3198,  
0.1883


 116.6268, 0.3193,  
0.2586

 4.7813, 0.3183,  
0.1658

147.6924, 0.3190,  
0.2633

 2.1195, 0.3147,  
0.1356

183.8358, 0.3187,  
0.2675

 0.6756, 0.3063,  
0.0927

225.4416, 0.3185,


 0.0000, 0.2927,


0.2711


0.0000

272.8942, 0.3183,  
0.2744


 0.0000, 0.0000,  
0.0000


 35.4563, 0.3203,  
0.2302


 35.4563, 0.3203,  
0.2302


 30.3115, 0.3222,  
0.2092


 41.8374, 0.3184,  
0.2532

 26.3180, 0.3240,  
0.1911

 49.5229, 0.3165,  
0.2773

 23.3880, 0.3257,  
0.1768


 58.5818, 0.3147,  
0.3016

 21.4187, 0.3272,  
0.1668

 69.0766, 0.3130,  
0.3254


 20.2872, 0.3285,  
0.1610

 81.0663, 0.3114,  
0.3481

 19.8082, 0.3294,  
0.1588

 91.7674, 0.3102,  
0.3652

 91.8055, 0.3098,  
0.3645

 91.8438, 0.3094,  
0.3637

 91.8822, 0.3090,  
0.3629

# Harmonies

## Analogous

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



35.4563, 0.2410, 0.2045



35.4563, 0.3203, 0.2302



35.4563, 0.4091, 0.2755

# Triad

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



35.4563, 0.3203, 0.2302



35.4563, 0.4400, 0.4537



35.4563, 0.1757, 0.2928

# Complementary

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



35.4563, 0.3203, 0.2302



56.8967, 0.3051, 0.4528

# 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.



35.4563, 0.2166, 0.3850



35.4563, 0.3203, 0.2302



35.4563, 0.3686, 0.4889

# Square

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



35.4563, 0.3203, 0.2302



35.4563, 0.4807, 0.3949



35.4563, 0.2869, 0.4671



35.4563, 0.1673, 0.2305



# Rectangle

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



35.4563, 0.3203, 0.2302



35.4563, 0.4558, 0.3129



35.4563, 0.2869, 0.4671



35.4563, 0.1856, 0.3213

# Sweetspot

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



35.4579, 0.3203, 0.2302



81.9423, 0.3148, 0.3003



25.2580, 0.2366, 0.2017



17.1571, 0.3150, 0.2971



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.



35.4579, 0.3203, 0.2302



43.5225, 0.3220, 0.2114



33.4761, 0.3668, 0.2767



13.2671, 0.3143, 0.3067



11.7469, 0.3292, 0.1587



0.7634, 0.3278, 0.1579



# Inverse Universe

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



35.4579, 0.3203, 0.2302



43.5225, 0.3220, 0.2114



58.3548, 0.2799, 0.3892



13.2671, 0.3143, 0.3067



11.7469, 0.3292, 0.1587



0.7634, 0.3278, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 35.4563, 0.3203, 0.2302 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

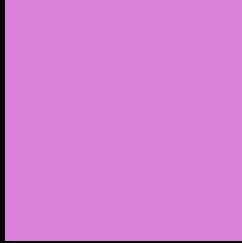
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.4563, 0.3203, 0.2302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

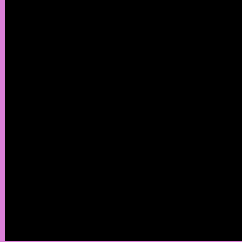
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.4563, 0.3203, 0.2302**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.4563, 0.3203, 0.2302.

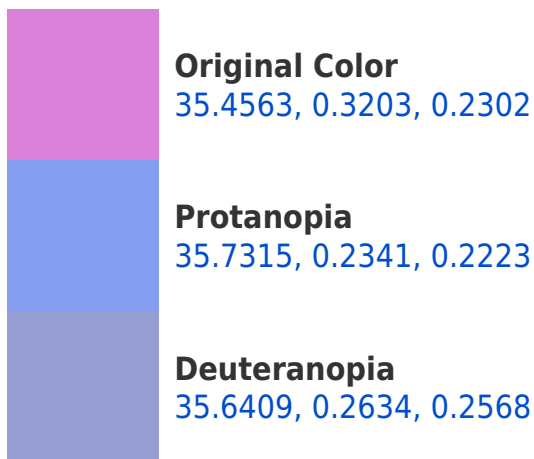


This preview shows how white text looks on a background with the Yxy color 35.4563, 0.3203, 0.2302.

# 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





## Tritanopia

35.4619, 0.3769, 0.3166

# Trichromacy



## Original Color

35.4563, 0.3203, 0.2302



## Protanomaly

34.5295, 0.2594, 0.2230



## Deuteranomaly

34.7855, 0.2816, 0.2442



## Tritanomaly

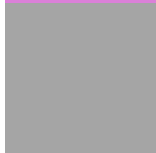
35.2826, 0.3561, 0.2829

# Monochromacy



## Original Color

35.4563, 0.3203, 0.2302



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

36.2315, 0.3157, 0.2867

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.4563, 0.3203, 0.2302 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(219, 128, 216)` looks like.

```
.text, #text, p{  
    color:rgb(219, 128, 216)  
}
```

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(219, 128, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 128, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 35.4563, 0.3203, 0.2302 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(219, 128, 216) }
```

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

```
.border{ border-color:rgb(219, 128, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 128, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 128, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 128, 216);  
box-shadow:4px 4px 4px 4px rgb(219, 128,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.4563, 0.3203, 0.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 128, 216) }
```

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

```
.background{ background-color: rgb(219,  
128, 216) }
```

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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