

# Converting Colors

$Y_{xy}(34.3921, 0.3163, 0.2254)$

Have a look what the booklet for  
Yxy(34.3921, 0.3163, 0.2254)  
contains.

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# Color

**Yxy(34.2759, 0.3166, 0.2252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D87DD9
RGB	216, 125, 217
RGB Percent	85%, 49%, 85%
CMY	0.1528, 0.5099, 0.1489
CMYK	0.00, 0.42, 0.00, 0.15
HSL	299°, 55%, 67%
HSV	299°, 42%, 85%
XYZ	48.1872, 34.2759, 69.7390
YIQ	162.6970, 24.7040, 47.9040

# Conversions

## Conversions Part 2

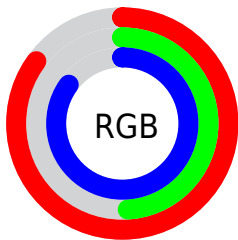
Format	Color
R <sub>Y</sub> B	216, 125, 217
Decimal	14187993
CIE Lab	65.18, 48.77, -32.43
CIE LCh	65, 58.570, 326.377
Yxy	34.2759, 0.3166, 0.2252
Android (android.graphics.Color)	4292378073 (0xFFD87DD9)
YUV	162.6970, 26.7714, 46.7467
Hunter-Lab	58.5456, 44.4632, -29.6437

# Details

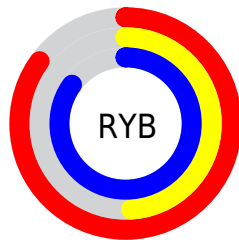
The Yxy color **34.2759, 0.3166, 0.2252** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **55.5524, 0.3072, 0.4597**, and the grayscale version is **36.3385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **14.6143, 0.3146, 0.1987** is the 20% darker color. If you saturate the color by 10%, you get **29.3356, 0.3173, 0.2038**, and if you desaturate by 10%, it is **40.4196, 0.3158, 0.2487**.

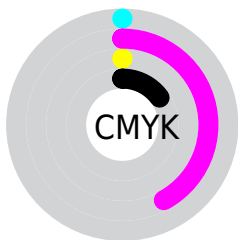
# Distribution



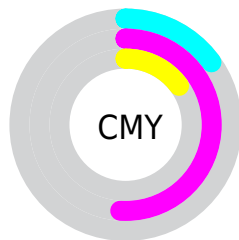
- Red (85%)
- Green (49%)
- Blue (85%)



- Red (85%)
- Yellow (49%)
- Blue (85%)



- Cyan (0%)
- Magenta (42%)
- Yellow (0%)
- Black (15%)




- Cyan (15%)
- Magenta (51%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.2759, 0.3166, 0.2252 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 34.2759, 0.3166, 0.2252 by changing the saturation by 10% instead.





 34.2759, 0.3166,  
0.2252


 34.2759, 0.3166,  
0.2252


321.3605, 0.3164,  
0.2747


 23.1056, 0.3162,  
0.2137


 66.3625, 0.3169,  
0.2426

 14.6715, 0.3153,  
0.1994


 88.0476, 0.3169,  
0.2493

 8.5892, 0.3138,  
0.1813

 114.0064, 0.3168,  
0.2550

 4.4742, 0.3108,  
0.1579

144.6234, 0.3168,  
0.2600

 1.9422, 0.3048,  
0.1267

180.2829, 0.3167,  
0.2644

 0.5736, 0.2933,  
0.0805

221.3693, 0.3166,

 0.0000, 0.2664,


0.2682


0.0000

268.2671, 0.3165,  
0.2716


 0.0000, 0.0000,  
0.0000


 34.2759, 0.3166,  
0.2252

 34.2759, 0.3166,  
0.2252

 29.3356, 0.3173,  
0.2038


 40.4196, 0.3158,  
0.2487


 25.5150, 0.3178,  
0.1856


 47.8340, 0.3149,  
0.2735


 22.7274, 0.3182,  
0.1711


 56.5868, 0.3139,  
0.2986


 20.8708, 0.3184,  
0.1610


 66.7398, 0.3129,  
0.3232


 19.8230, 0.3183,  
0.1550

 78.3505, 0.3120,  
0.3468

 19.4117, 0.3182,  
0.1527

 91.3498, 0.3111,  
0.3689

 91.3856, 0.3112,  
0.3689

 91.4216, 0.3114,  
0.3689

 91.4575, 0.3115,  
0.3689

# Harmonies

## Analogous

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



34.2759, 0.2353, 0.1997



34.2759, 0.3166, 0.2252



34.2759, 0.4096, 0.2711

# Triad

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



34.2759, 0.3166, 0.2252



34.2759, 0.4467, 0.4554



34.2759, 0.1717, 0.2941

# Complementary

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



34.2759, 0.3166, 0.2252



55.5524, 0.3072, 0.4597

# 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.



34.2759, 0.2151, 0.3915



34.2759, 0.3166, 0.2252



34.2759, 0.3732, 0.4951

# Square

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



34.2759, 0.3166, 0.2252



34.2759, 0.4880, 0.3935



34.2759, 0.2886, 0.4763



34.2759, 0.1621, 0.2283



# Rectangle

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



34.2759, 0.3166, 0.2252



34.2759, 0.4596, 0.3093



34.2759, 0.2886, 0.4763



34.2759, 0.1823, 0.3243

# Sweetspot

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



34.2774, 0.3166, 0.2252



80.5754, 0.3140, 0.2968



24.4227, 0.2340, 0.2005



16.6152, 0.3142, 0.2912



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.



34.2774, 0.3166, 0.2252



42.8704, 0.3172, 0.2057



32.4167, 0.3647, 0.2721



13.2673, 0.3136, 0.3060



11.7509, 0.3183, 0.1527



0.7636, 0.3187, 0.1529



# Inverse Universe

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



30.9231, 0.4214, 0.3281



37.4299, 0.4588, 0.3280



56.8796, 0.2812, 0.3951



13.0538, 0.3290, 0.3288



8.9340, 0.6388, 0.3293



0.5796, 0.6351, 0.3272



# Previews

## White Background



This preview shows how the Yxy color 34.2759, 0.3166, 0.2252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

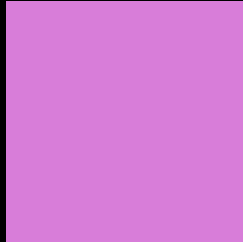
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.2759, 0.3166, 0.2252 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

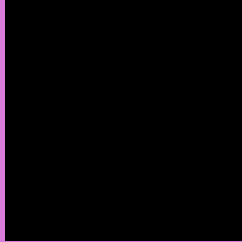
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.2759, 0.3166, 0.2252**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.2759, 0.3166, 0.2252.

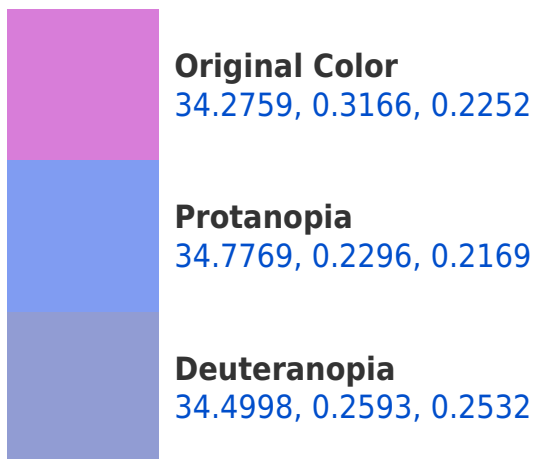


This preview shows how white text looks on a background with the Yxy color 34.2759, 0.3166, 0.2252.

# 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

34.2236, 0.3755, 0.3164

# Trichromacy



## Original Color

34.2759, 0.3166, 0.2252



## Protanomaly

33.6076, 0.2547, 0.2176



## Deuteranomaly

33.7128, 0.2780, 0.2407



## Tritanomaly

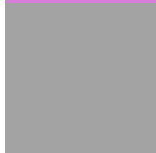
34.0856, 0.3534, 0.2809

# Monochromacy



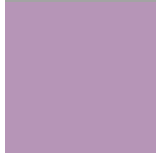
## Original Color

34.2759, 0.3166, 0.2252



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

34.8589, 0.3139, 0.2835

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.2759, 0.3166, 0.2252 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(216, 125, 217)` looks like.

```
.text, #text, p{  
    color:rgb(216, 125, 217)  
}
```

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(216, 125, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 125, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 34.2759, 0.3166, 0.2252 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(216, 125, 217) }
```

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

```
.border{ border-color:rgb(216, 125, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 125, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 125, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 125, 217);  
box-shadow:4px 4px 4px 4px rgb(216, 125,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.2759, 0.3166, 0.2252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 125, 217) }
```

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

```
.background{ background-color: rgb(216,  
125, 217) }
```

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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