

# Converting Colors

Yxy(26.9861, 0.3192, 0.1899)

Have a look what the booklet for  
Yxy(26.9861, 0.3192, 0.1899)  
contains.

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**Color**

**Yxy(26.9909, 0.3192, 0.1898)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB57DB
RGB	219, 87, 219
RGB Percent	86%, 34%, 86%
CMY	0.1414, 0.6586, 0.1412
CMYK	0.00, 0.60, 0.00, 0.14
HSL	300°, 65%, 60%
HSV	300°, 60%, 86%
XYZ	45.3925, 26.9909, 69.8237
YIQ	141.5160, 36.3000, 69.0360

# Conversions

## Conversions Part 2

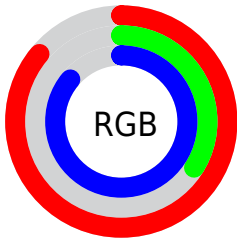
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	219, 87, 219
Decimal	14374875
CIE Lab	58.97, 67.70, -43.22
CIE LCh	59, 80.317, 327.447
Yxy	26.9909, 0.3192, 0.1898
Android (android.graphics.Color)	4292564955 (0xFFDB57DB)
YUV	141.5160, 38.1996, 67.9535
Hunter-Lab	51.9528, 65.0428, -43.3179

# Details

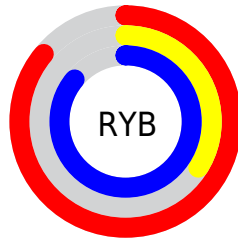
The Yxy color **26.9909, 0.3192, 0.1898** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **53.3755, 0.3036, 0.5229**, and the grayscale version is **26.6939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4265, 0.3177, 0.2221**, and **10.6540, 0.3177, 0.1573** is the 20% darker color. If you saturate the color by 10%, you get **23.9636, 0.3199, 0.1747**, and if you desaturate by 10%, it is **31.0960, 0.3183, 0.2086**.

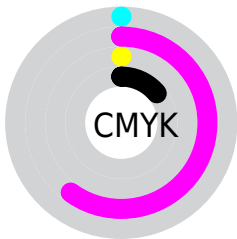
# Distribution



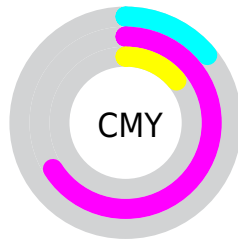
- Red (86%)
- Green (34%)
- Blue (86%)



- Red (86%)
- Yellow (34%)
- Blue (86%)



- Cyan (0%)
- Magenta (60%)
- Yellow (0%)
- Black (14%)




- Cyan (14%)
- Magenta (66%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9909, 0.3192, 0.1898 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 26.9909, 0.3192, 0.1898 by changing the saturation by 10% instead.





 26.9909, 0.3192,  
0.1898


 26.9909, 0.3192,  
0.1898


287.6131, 0.3191,  
0.2556


 17.5664, 0.3183,  
0.1749


 54.8693, 0.3199,  
0.2126


 10.6391, 0.3166,  
0.1567


 74.0919, 0.3199,  
0.2215

 5.8247, 0.3135,  
0.1343


 97.3494, 0.3199,  
0.2292

 2.7388, 0.3076,  
0.1063

 125.0261, 0.3198,  
0.2358

 0.9969, 0.2962,  
0.0721

157.5064, 0.3196,  
0.2417

 0.0000, 0.2819,  
0.0000

195.1747, 0.3194,

 0.0000, 0.2065,


0.2469

0.0000

238.4155, 0.3193,  
0.2514


 0.0000, 0.0000,  
0.0000

 26.9909, 0.3192,  
0.1898


 26.9909, 0.3192,  
0.1898


 23.9636, 0.3199,  
0.1747


 31.0960, 0.3183,  
0.2086


 21.9099, 0.3204,  
0.1638


 36.3634, 0.3173,  
0.2304

 20.7114, 0.3207,  
0.1572

 42.8733, 0.3162,  
0.2542

 20.1601, 0.3208,  
0.1541

 50.6978, 0.3151,  
0.2790

 59.9036, 0.3139,  
0.3040

■ 70.5527, 0.3127,  
0.3284

■ 82.7034, 0.3116,  
0.3518

■ 91.6934, 0.3110,  
0.3667

■ 91.6945, 0.3110,  
0.3667

# Harmonies

## Analogous

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



26.9909, 0.2062, 0.1567



26.9909, 0.3192, 0.1898



26.9909, 0.4587, 0.2481

# Triad

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



26.9909, 0.3192, 0.1898



26.9909, 0.4811, 0.4898



26.9909, 0.1194, 0.2654

# Complementary

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



26.9909, 0.3192, 0.1898



53.3755, 0.3036, 0.5229

# 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.



26.9909, 0.1679, 0.4159



26.9909, 0.3192, 0.1898



26.9909, 0.3753, 0.5688

# Square

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



26.9909, 0.3192, 0.1898



26.9909, 0.5534, 0.3996



26.9909, 0.2622, 0.5585



26.9909, 0.1129, 0.1828



# Rectangle

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



26.9909, 0.3192, 0.1898



26.9909, 0.5315, 0.2953



26.9909, 0.2622, 0.5585



26.9909, 0.1302, 0.3087

# Sweetspot

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



26.9921, 0.3192, 0.1898



74.1272, 0.3148, 0.2842



14.3326, 0.1966, 0.1387



15.1044, 0.3151, 0.2769



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.



26.9921, 0.3192, 0.1898



33.0262, 0.3200, 0.1717



24.2593, 0.3992, 0.2512



13.2746, 0.3138, 0.3060



11.9561, 0.3208, 0.1541



0.7746, 0.3209, 0.1541



# Inverse Universe

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



22.5751, 0.5013, 0.3295



26.2784, 0.5604, 0.3297



54.9130, 0.2728, 0.4300



13.0516, 0.3292, 0.3290



8.9300, 0.6400, 0.3299



0.5786, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 26.9909, 0.3192, 0.1898 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

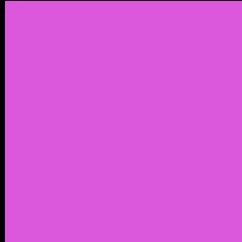
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.9909, 0.3192, 0.1898 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

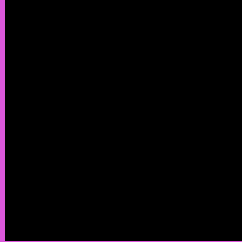
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.9909, 0.3192, 0.1898**

## Background



This preview shows how black text looks on a background with the Yxy color 26.9909, 0.3192, 0.1898.

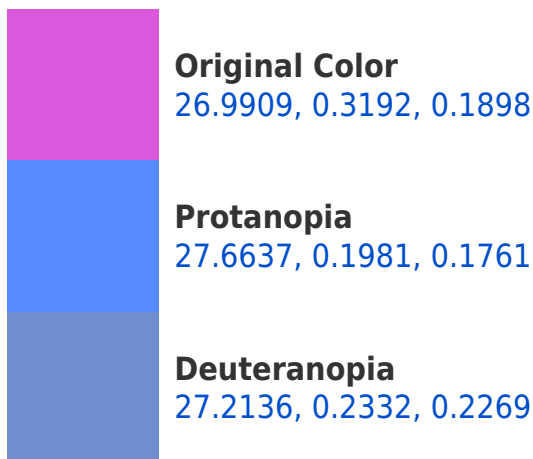


This preview shows how white text looks on a background with the Yxy color 26.9909, 0.3192, 0.1898.

# 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

26.8746, 0.4212, 0.3179

# Trichromacy



## Original Color

26.9909, 0.3192, 0.1898



## Protanomaly

24.9121, 0.2253, 0.1723



## Deuteranomaly

25.1542, 0.2583, 0.2044



## Tritanomaly

26.3663, 0.3825, 0.2635

# Monochromacy



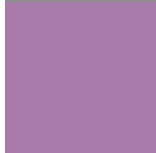
## Original Color

26.9909, 0.3192, 0.1898



## Achromatopsia

27.0498, 0.3127, 0.3290



## Achromatomaly

25.3674, 0.3159, 0.2603

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.9909, 0.3192, 0.1898 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, 87, 219)` looks like.

```
.text, #text, p{  
    color:rgb(219, 87, 219)  
}
```

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, 87, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 87, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 26.9909, 0.3192, 0.1898 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, 87, 219) }
```

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

```
.border{ border-color:rgb(219, 87, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 87, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 87, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 87, 219);  
box-shadow:4px 4px 4px 4px rgb(219, 87,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.9909, 0.3192, 0.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 87, 219) }
```

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

```
.background{ background-color: rgb(219, 87,  
219) }
```

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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