

# Converting Colors

$Y_{xy}(26.2803, 0.3302, 0.2054)$

Have a look what the booklet for  
Yxy(26.2803, 0.3302, 0.2054)  
contains.

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**Color**

**Yxy(26.2866, 0.3298, 0.2057)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D55DCB
RGB	213, 93, 203
RGB Percent	84%, 36%, 80%
CMY	0.1645, 0.6354, 0.2039
CMYK	0.00, 0.56, 0.05, 0.16
HSL	305°, 59%, 60%
HSV	305°, 56%, 84%
XYZ	42.1455, 26.2866, 59.3589
YIQ	141.4200, 36.2100, 59.6500

# Conversions

## Conversions Part 2

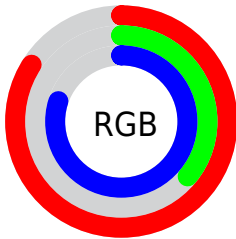
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 93, 203
Decimal	13983179
CIE <sub>Lab</sub>	58.31, 60.98, -35.26
CIE <sub>LCh</sub>	58, 70.446, 329.961
Yxy	26.2866, 0.3298, 0.2057
Android (android.graphics.Color)	4292173259 (0xFFD55DCB)
YUV	141.4200, 30.3589, 62.7757
Hunter-Lab	51.2705, 57.0077, -32.7543

# Details

The Yxy color **26.2866, 0.3298, 0.2057** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **50.9171, 0.2995, 0.4957**, and the grayscale version is **26.6742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9749, 0.3175, 0.2266**, and **10.1944, 0.3314, 0.1741** is the 20% darker color. If you saturate the color by 10%, you get **22.9718, 0.3332, 0.1898**, and if you desaturate by 10%, it is **30.6461, 0.3264, 0.2248**.

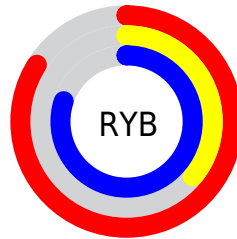
# Distribution



Red (84%)

Green (36%)

Blue (80%)



Red (84%)

Yellow (36%)

Blue (80%)

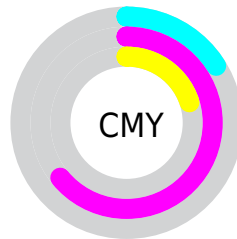


Cyan (0%)

Magenta (56%)

Yellow (5%)

Black (16%)



Cyan (16%)

Magenta (64%)


Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.2866, 0.3298, 0.2057 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 26.2866, 0.3298, 0.2057 by changing the saturation by 10% instead.




 26.2866, 0.3298,  
0.2057


 26.2866, 0.3298,  
0.2057


284.1862, 0.3234,  
0.2655


 17.0382, 0.3307,  
0.1916


 53.7369, 0.3280,  
0.2269

 10.2617, 0.3314,  
0.1741


 72.7076, 0.3271,  
0.2350

 5.5728, 0.3316,  
0.1519


 95.6879, 0.3264,  
0.2420

 2.5871, 0.3304,  
0.1234

 123.0621, 0.3257,  
0.2480

 0.9202, 0.3255,  
0.0865

155.2146, 0.3250,  
0.2532

 0.0000, 0.3238,  
0.0000

192.5299, 0.3244,


 0.0000, 0.1962,


0.2578


0.0000


235.3923, 0.3239,  
0.2619

 0.0000, 0.0000,  
0.0000


 26.2866, 0.3298,  
0.2057


 26.2866, 0.3298,  
0.2057


 22.9718, 0.3332,  
0.1898


 30.6461, 0.3264,  
0.2248

 20.6093, 0.3365,  
0.1780


 36.1255, 0.3230,  
0.2461


 19.0964, 0.3396,  
0.1704

 42.7972, 0.3199,  
0.2688

 18.3018, 0.3424,  
0.1671

 50.7264, 0.3169,  
0.2920

 18.1043, 0.3433,  
0.1665

 59.9737, 0.3143,  
0.3148

■ 70.5957, 0.3119,  
0.3369

■ 82.6458, 0.3098,  
0.3578

■ 90.6964, 0.3083,  
0.3690

■ 90.7897, 0.3073,  
0.3670

# Harmonies

## Analogous

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



26.2866, 0.2239, 0.1723



26.2866, 0.3298, 0.2057



26.2866, 0.4522, 0.2621

# Triad

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



26.2866, 0.3298, 0.2057



26.2866, 0.4638, 0.4878



26.2866, 0.1341, 0.2660

# Complementary

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



26.2866, 0.3298, 0.2057



50.9171, 0.2995, 0.4957

# 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.



26.2866, 0.1777, 0.3939



26.2866, 0.3298, 0.2057



26.2866, 0.3670, 0.5474

# Square

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



26.2866, 0.3298, 0.2057



26.2866, 0.5292, 0.4070



26.2866, 0.2628, 0.5211



26.2866, 0.1295, 0.1934



# Rectangle

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



26.2866, 0.3298, 0.2057



26.2866, 0.5133, 0.3073



26.2866, 0.2628, 0.5211



26.2866, 0.1438, 0.3031

# Sweetspot

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



26.2878, 0.3298, 0.2057



75.1610, 0.3171, 0.2901



15.5105, 0.2112, 0.1523



15.5434, 0.3177, 0.2854



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.



26.2878, 0.3298, 0.2057



33.5559, 0.3340, 0.1867



23.9586, 0.4082, 0.2693



12.6140, 0.3150, 0.3079



11.0607, 0.3430, 0.1663



0.6725, 0.3387, 0.1640



# Inverse Universe

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



26.2878, 0.3298, 0.2057



33.5559, 0.3340, 0.1867



52.5826, 0.2677, 0.4030



12.6140, 0.3150, 0.3079



11.0607, 0.3430, 0.1663



0.6725, 0.3387, 0.1640



# Previews

## White Background



This preview shows how the Yxy color 26.2866, 0.3298, 0.2057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

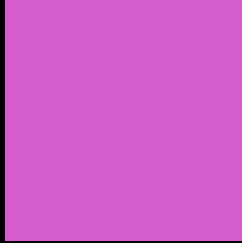
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.2866, 0.3298, 0.2057 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

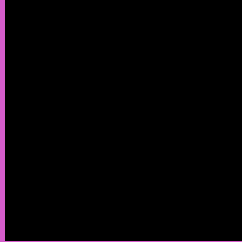
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.2866, 0.3298, 0.2057**

## Background



This preview shows how black text looks on a background with the Yxy color 26.2866, 0.3298, 0.2057.

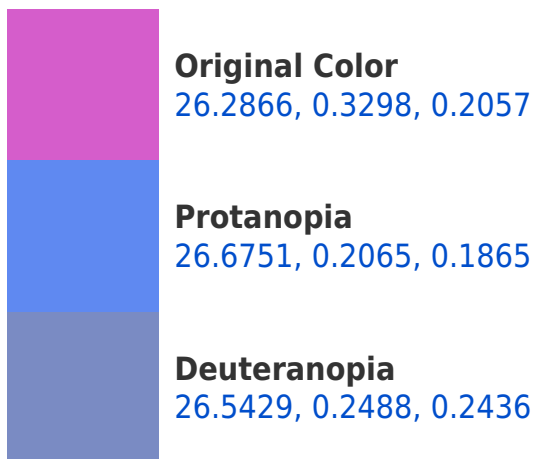


This preview shows how white text looks on a background with the Yxy color 26.2866, 0.3298, 0.2057.

# 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

26.2771, 0.4180, 0.3190

# Trichromacy



## Original Color

26.2866, 0.3298, 0.2057



## Protanomaly

24.6241, 0.2370, 0.1871



## Deuteranomaly

24.9648, 0.2732, 0.2224



## Tritanomaly

25.8078, 0.3855, 0.2728

# Monochromacy



## Original Color

26.2866, 0.3298, 0.2057



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

25.3111, 0.3189, 0.2704

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.2866, 0.3298, 0.2057 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(213, 93, 203)` looks like.

```
.text, #text, p{  
    color:rgb(213, 93, 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(213, 93, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 93, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 26.2866, 0.3298, 0.2057 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(213, 93, 203) }
```

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

```
.border{ border-color:rgb(213, 93, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 93, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 93, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 93, 203);  
box-shadow:4px 4px 4px 4px rgb(213, 93,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.2866, 0.3298, 0.2057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 93, 203) }
```

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

```
.background{ background-color: rgb(213, 93,  
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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