

# Converting Colors

$Y_{xy}(26.0277, 0.3553, 0.2326)$

Have a look what the booklet for  
Yxy(26.0277, 0.3553, 0.2326)  
contains.

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# Color

**Yxy(26.0277, 0.3553, 0.2326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D462B4
RGB	212, 98, 180
RGB Percent	83%, 38%, 71%
CMY	0.1686, 0.6157, 0.2941
CMYK	0.00, 0.54, 0.15, 0.17
HSL	317°, 57%, 61%
HSV	317°, 54%, 83%
XYZ	39.7577, 26.0277, 46.1136
YIQ	141.4340, 41.6220, 49.6700

# Conversions

## Conversions Part 2

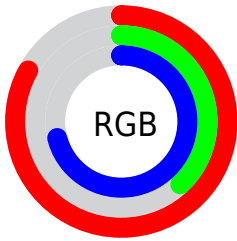
Format	Color
R <sub>YB</sub>	212, 98, 180
Decimal	13918900
CIE <sub>Lab</sub>	58.06, 54.70, -22.50
CIE <sub>LCh</sub>	58, 59.144, 337.641
Yxy	26.0277, 0.3553, 0.2326
Android (android.graphics.Color)	4292108980 (0xFFD462B4)
YUV	141.4340, 19.0130, 61.8864
Hunter-Lab	51.0173, 49.8243, -17.8789

# Details

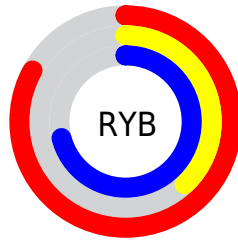
The Yxy color **26.0277, 0.3553, 0.2326** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **51.2950, 0.2881, 0.4531**, and the grayscale version is **26.7280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0986, 0.3333, 0.2464**, and **10.1568, 0.3678, 0.2055** is the 20% darker color. If you saturate the color by 10%, you get **22.3358, 0.3664, 0.2186**, and if you desaturate by 10%, it is **30.7829, 0.3451, 0.2492**.

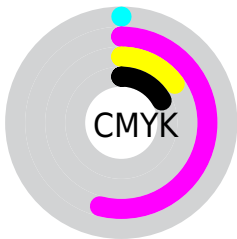
# Distribution



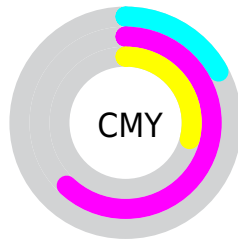
- Red (83%)
- Green (38%)
- Blue (71%)



- Red (83%)
- Yellow (38%)
- Blue (71%)



- Cyan (0%)
- Magenta (54%)
- Yellow (15%)
- Black (17%)




- Cyan (17%)
- Magenta (62%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0277, 0.3553, 0.2326 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 26.0277, 0.3553, 0.2326 by changing the saturation by 10% instead.





 26.0277, 0.3553,  
0.2326


 26.0277, 0.3553,  
0.2326


282.9180, 0.3340,  
0.2810


 16.8444, 0.3606,  
0.2206


 53.3196, 0.3476,  
0.2502


 10.1236, 0.3672,  
0.2053


 72.1970, 0.3447,  
0.2568

 5.4810, 0.3760,  
0.1851


 95.0745, 0.3422,  
0.2624

 2.5321, 0.3877,  
0.1578

 122.3366, 0.3401,  
0.2672

 0.8927, 0.4041,  
0.1193

154.3676, 0.3383,  
0.2713

 0.0000, 0.4561,  
0.0000

191.5519, 0.3367,

 0.0000, 0.3715,

0.2750


0.0000

234.2739, 0.3353,  
0.2782


 0.0000, 0.0000,  
0.0000

 26.0277, 0.3553,  
0.2326

 26.0277, 0.3553,  
0.2326

 22.3358, 0.3664,  
0.2186


 30.7829, 0.3451,  
0.2492


 19.6185, 0.3780,  
0.2081


 36.6734, 0.3359,  
0.2672

 17.7787, 0.3897,  
0.2022

 43.7692, 0.3278,  
0.2859

 16.6976, 0.4013,  
0.2011

 52.1338, 0.3207,  
0.3045

 16.2806, 0.4083,  
0.2023

 61.8258, 0.3147,  
0.3224

■ 72.9006, 0.3096,  
0.3395

■ 85.4102, 0.3054,  
0.3555

■ 91.0963, 0.3019,  
0.3578

■ 91.4317, 0.2986,  
0.3514

# Harmonies

## Analogous

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



26.0277, 0.2575, 0.1964



26.0277, 0.3553, 0.2326



26.0277, 0.4534, 0.2877

# Triad

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



26.0277, 0.3553, 0.2326



26.0277, 0.4293, 0.4868



26.0277, 0.1518, 0.2571

# Complementary

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



26.0277, 0.3553, 0.2326



51.2950, 0.2881, 0.4531

# 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.



26.0277, 0.1834, 0.3546



26.0277, 0.3553, 0.2326



26.0277, 0.3418, 0.5156

# Square

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



26.0277, 0.3553, 0.2326



26.0277, 0.4921, 0.4221



26.0277, 0.2516, 0.4652



26.0277, 0.1546, 0.2026



# Rectangle

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



26.0277, 0.3553, 0.2326



26.0277, 0.4955, 0.3304



26.0277, 0.2516, 0.4652



26.0277, 0.1583, 0.2851

# Sweetspot

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



26.0289, 0.3553, 0.2326



75.9588, 0.3223, 0.3001



18.1103, 0.2339, 0.1680



15.6790, 0.3238, 0.2962



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.



26.0289, 0.3553, 0.2326



33.0245, 0.3686, 0.2163



24.2038, 0.4319, 0.2970



12.5705, 0.3180, 0.3124



10.0688, 0.4068, 0.2015



0.6211, 0.3886, 0.1914



# Inverse Universe

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



26.0289, 0.3553, 0.2326



33.0245, 0.3686, 0.2163



53.2032, 0.2578, 0.3669



12.5705, 0.3180, 0.3124



10.0688, 0.4068, 0.2015



0.6211, 0.3886, 0.1914



# Previews

## White Background



This preview shows how the Yxy color 26.0277, 0.3553, 0.2326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

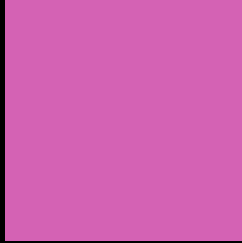
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.0277, 0.3553, 0.2326 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

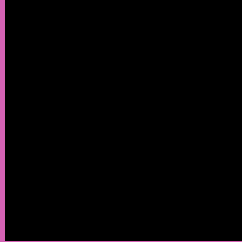
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.0277, 0.3553, 0.2326**

## Background



This preview shows how black text looks on a background with the Yxy color 26.0277, 0.3553, 0.2326.



This preview shows how white text looks on a background with the Yxy color 26.0277, 0.3553, 0.2326.

# 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

26.0277, 0.3553, 0.2326

### Protanopia

26.4749, 0.2338, 0.2227

### Deuteranopia

26.2657, 0.2777, 0.2712



## Tritanopia

26.0662, 0.4241, 0.3191

# Trichromacy



## Original Color

26.0277, 0.3553, 0.2326



## Protanomaly

24.7735, 0.2676, 0.2212



## Deuteranomaly

25.1930, 0.3030, 0.2525



## Tritanomaly

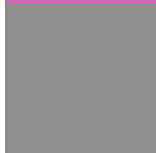
25.8783, 0.3985, 0.2853

# Monochromacy



## Original Color

26.0277, 0.3553, 0.2326



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

25.2493, 0.3287, 0.2844

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.0277, 0.3553, 0.2326 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(212, 98, 180)` looks like.

```
.text, #text, p{  
    color:rgb(212, 98, 180)  
}
```

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(212, 98, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 98, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0277, 0.3553, 0.2326 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(212, 98, 180) }
```

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

```
.border{ border-color:rgb(212, 98, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 98, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 98, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 98, 180);  
box-shadow:4px 4px 4px 4px rgb(212, 98,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.0277, 0.3553, 0.2326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 98, 180) }
```

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

```
.background{ background-color: rgb(212, 98,  
180) }
```

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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