

# Converting Colors

$Y_{xy}(26.0702, 0.3430, 0.2266)$

Have a look what the booklet for  
Yxy(26.0702, 0.3430, 0.2266)  
contains.

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# Color

**Yxy(26.0694, 0.3432, 0.2269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D064BA
RGB	208, 100, 186
RGB Percent	82%, 39%, 73%
CMY	0.1843, 0.6078, 0.2707
CMYK	0.00, 0.52, 0.11, 0.18
HSL	312°, 53%, 60%
HSV	312°, 52%, 82%
XYZ	39.4315, 26.0694, 49.3928
YIQ	142.0960, 36.7620, 49.6420

# Conversions

## Conversions Part 2

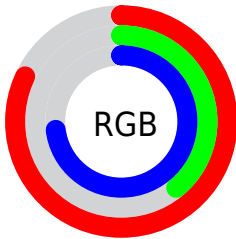
Format	Color
R <sub>Y</sub> B	208, 100, 186
Decimal	13657274
CIE Lab	58.10, 53.50, -25.91
CIE LCh	58, 59.446, 334.160
Yxy	26.0694, 0.3432, 0.2269
Android (android.graphics.Color)	4291847354 (0xFFD064BA)
YUV	142.0960, 21.6447, 57.7978
Hunter-Lab	51.0582, 48.5012, -21.6154

# Details

The Yxy color **26.0694, 0.3432, 0.2269** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **49.2312, 0.2932, 0.4608**, and the grayscale version is **26.9929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1135, 0.3280, 0.2430**, and **10.1495, 0.3497, 0.1979** is the 20% darker color. If you saturate the color by 10%, you get **22.3989, 0.3510, 0.2111**, and if you desaturate by 10%, it is **30.7661, 0.3359, 0.2452**.

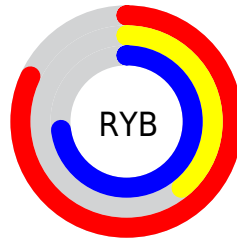
# Distribution



Red (82%)

Green (39%)

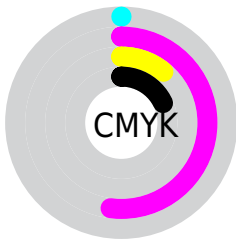
Blue (73%)



Red (82%)

Yellow (39%)

Blue (73%)

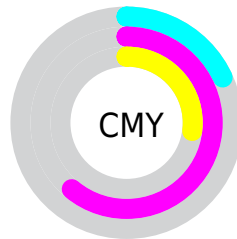


Cyan (0%)

Magenta (52%)

Yellow (11%)

Black (18%)



Cyan (18%)

Magenta (61%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0694, 0.3432, 0.2269 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 26.0694, 0.3432, 0.2269 by changing the saturation by 10% instead.




 26.0694, 0.3432,  
0.2269


 26.0694, 0.3432,  
0.2269


283.1226, 0.3287,  
0.2779


 16.8756, 0.3465,  
0.2144


 53.3869, 0.3381,  
0.2453

 10.1458, 0.3506,  
0.1985


 72.2793, 0.3362,  
0.2523

 5.4957, 0.3556,  
0.1778


 95.1734, 0.3345,  
0.2581

 2.5410, 0.3617,  
0.1500

 122.4536, 0.3330,  
0.2632

 0.8971, 0.3687,  
0.1116

154.5042, 0.3317,  
0.2676

 0.0000, 0.3970,  
0.0000

191.7096, 0.3306,


 0.0000, 0.1256,


0.2714


0.0000


234.4543, 0.3296,  
0.2748


 0.0000, 0.0000,  
0.0000

 26.0694, 0.3432,  
0.2269


 26.0694, 0.3432,  
0.2269


 22.3989, 0.3510,  
0.2111

 30.7661, 0.3359,  
0.2452


 19.6718, 0.3590,  
0.1987


 36.5563, 0.3292,  
0.2650


 17.7985, 0.3670,  
0.1907

 43.5057, 0.3233,  
0.2854

 16.6703, 0.3748,  
0.1872

 51.6738, 0.3180,  
0.3057

 16.1484, 0.3809,  
0.1872

 61.1160, 0.3135,  
0.3253

■ 71.8843, 0.3096,  
0.3440

■ 84.0279, 0.3063,  
0.3615

■ 90.0942, 0.3037,  
0.3664

■ 90.3218, 0.3014,  
0.3617

# Harmonies

## Analogous

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



26.0694, 0.2475, 0.1933



26.0694, 0.3432, 0.2269



26.0694, 0.4442, 0.2804

# Triad

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



26.0694, 0.3432, 0.2269



26.0694, 0.4387, 0.4807



26.0694, 0.1531, 0.2659

# Complementary

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



26.0694, 0.3432, 0.2269



49.2312, 0.2932, 0.4608

# 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.



26.0694, 0.1890, 0.3682



26.0694, 0.3432, 0.2269



26.0694, 0.3526, 0.5166

# Square

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



26.0694, 0.3432, 0.2269



26.0694, 0.4974, 0.4141



26.0694, 0.2611, 0.4762



26.0694, 0.1521, 0.2063



# Rectangle

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



26.0694, 0.3432, 0.2269



26.0694, 0.4909, 0.3227



26.0694, 0.2611, 0.4762



26.0694, 0.1609, 0.2958

# Sweetspot

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



26.0706, 0.3432, 0.2269



76.1499, 0.3202, 0.2971



17.7790, 0.2310, 0.1717



15.7248, 0.3213, 0.2928



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.



26.0706, 0.3432, 0.2269



35.1049, 0.3516, 0.2100



24.2037, 0.4149, 0.2889



11.9660, 0.3168, 0.3107



10.0780, 0.3799, 0.1866



0.5742, 0.3671, 0.1796



# Inverse Universe

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



26.0706, 0.3432, 0.2269



35.1049, 0.3516, 0.2100



50.9441, 0.2630, 0.3763



11.9660, 0.3168, 0.3107



10.0780, 0.3799, 0.1866



0.5742, 0.3671, 0.1796



# Previews

## White Background



This preview shows how the Yxy color 26.0694, 0.3432, 0.2269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

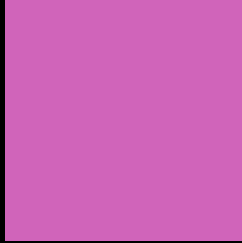
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.0694, 0.3432, 0.2269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

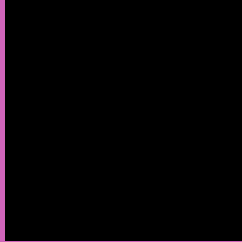
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.0694, 0.3432, 0.2269**

## Background



This preview shows how black text looks on a background with the Yxy color 26.0694, 0.3432, 0.2269.



This preview shows how white text looks on a background with the Yxy color 26.0694, 0.3432, 0.2269.

# 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

26.0694, 0.3432, 0.2269

### Protanopia

26.5796, 0.2283, 0.2155

### Deuteranopia

26.4588, 0.2691, 0.2637



## Tritanopia

26.1090, 0.4126, 0.3188

# Trichromacy



## Original Color

26.0694, 0.3432, 0.2269



## Protanomaly

25.0261, 0.2602, 0.2152



## Deuteranomaly

25.2663, 0.2928, 0.2454



## Tritanomaly

26.0646, 0.3874, 0.2831

# Monochromacy



## Original Color

26.0694, 0.3432, 0.2269



## Achromatopsia

27.0498, 0.3127, 0.3290



## Achromatomaly

25.7544, 0.3240, 0.2830

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.0694, 0.3432, 0.2269 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(208, 100, 186)` looks like.

```
.text, #text, p{  
    color:rgb(208, 100, 186)  
}
```

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(208, 100, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 100, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0694, 0.3432, 0.2269 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(208, 100, 186) }
```

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

```
.border{ border-color:rgb(208, 100, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 100, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 100, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 100, 186);  
box-shadow:4px 4px 4px 4px rgb(208, 100,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.0694, 0.3432, 0.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 100, 186) }
```

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

```
.background{ background-color: rgb(208,  
100, 186) }
```

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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