

# Converting Colors

$Y_{xy}(25.9728, 0.3046, 0.2369)$

Have a look what the booklet for  
Yxy(25.9728, 0.3046, 0.2369)  
contains.

<b>Yxy(26.0116, 0.3050, 0.2370)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(26.0116, 0.3050, 0.2370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B077BB
RGB	176, 119, 187
RGB Percent	69%, 47%, 73%
CMY	0.3097, 0.5334, 0.2667
CMYK	0.06, 0.36, 0.00, 0.27
HSL	290°, 33%, 60%
HSV	290°, 36%, 73%
XYZ	33.4748, 26.0116, 50.2671
YIQ	143.7950, 12.1440, 33.2320

# Conversions

## Conversions Part 2

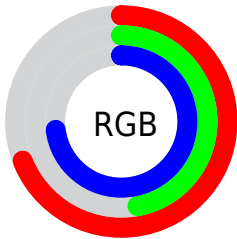
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	176, 119, 187
Decimal	11564987
CIE <sub>Lab</sub>	58.05, 33.93, -26.91
CIE <sub>LCh</sub>	58, 43.300, 321.584
Yxy	26.0116, 0.3050, 0.2370
Android (android.graphics.Color)	4289755067 (0xFFB077BB)
YUV	143.7950, 21.3001, 28.2438
Hunter-Lab	51.0016, 27.9056, -22.7351

# Details

The Yxy color **26.0116, 0.3050, 0.2370** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.6131, 0.3163, 0.4344**, and the grayscale version is **27.7131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2998, 0.3080, 0.2544**, and **10.1150, 0.2992, 0.2093** is the 20% darker color. If you saturate the color by 10%, you get **21.6438, 0.3019, 0.2122**, and if you desaturate by 10%, it is **31.2651, 0.3077, 0.2627**.

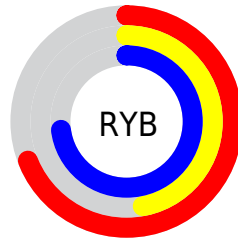
# Distribution



Red (69%)

Green (47%)

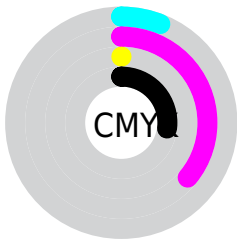
Blue (73%)



Red (69%)

Yellow (47%)

Blue (73%)

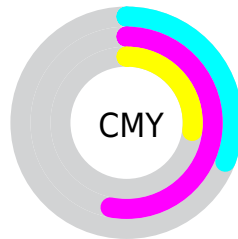


Cyan (6%)

Magenta (36%)

Yellow (0%)

Black (27%)



Cyan (31%)

Magenta (53%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0116, 0.3050, 0.2370 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 26.0116, 0.3050, 0.2370 by changing the saturation by 10% instead.





 26.0116, 0.3050,  
0.2370


 26.0116, 0.3050,  
0.2370


282.8390, 0.3104,  
0.2838

 16.8323, 0.3031,  
0.2252


 53.2937, 0.3074,  
0.2541

 10.1150, 0.3003,  
0.2101


 72.1652, 0.3081,  
0.2605

 5.4753, 0.2959,  
0.1901


 95.0363, 0.3087,  
0.2659

 2.5287, 0.2884,  
0.1626

122.2914, 0.3092,  
0.2705

 0.8910, 0.2742,  
0.1234

154.3148, 0.3096,  
0.2745

 0.0000, 0.2551,  
0.0000

191.4910, 0.3099,

 0.0000, 0.0000,

0.2780

0.0000

234.2042, 0.3102,  
0.2810

■ 26.0116, 0.3050,  
0.2370

■ 26.0116, 0.3050,  
0.2370

■ 21.6438, 0.3019,  
0.2122

■ 31.2651, 0.3077,  
0.2627

■ 18.1066, 0.2983,  
0.1893

■ 37.4484, 0.3099,  
0.2885

■ 15.3441, 0.2945,  
0.1694


■ 44.6066, 0.3118,  
0.3136

■ 13.2921, 0.2903,  
0.1533

■ 52.7809, 0.3132,  
0.3375

■ 11.8758, 0.2861,  
0.1415


■ 62.0102, 0.3143,  
0.3599


 10.9973, 0.2819,  
0.1340

 72.3312, 0.3151,  
0.3806

 10.7392, 0.2804,  
0.1318

 83.7789, 0.3157,  
0.3996

 87.4084, 0.3172,  
0.4042

 87.8282, 0.3190,  
0.4037

# Harmonies

## Analogous

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



26.0116, 0.2403, 0.2184



26.0116, 0.3050, 0.2370



26.0116, 0.3804, 0.2743

# Triad

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



26.0116, 0.3050, 0.2370



26.0116, 0.4331, 0.4296



26.0116, 0.1992, 0.3141

# Complementary

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



26.0116, 0.3050, 0.2370



41.6131, 0.3163, 0.4344

# 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.



26.0116, 0.2418, 0.3919



26.0116, 0.3050, 0.2370



26.0116, 0.3766, 0.4620

# Square

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



26.0116, 0.3050, 0.2370



26.0116, 0.4585, 0.3784



26.0116, 0.3065, 0.4517



26.0116, 0.1853, 0.2540



# Rectangle

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



26.0116, 0.3050, 0.2370



26.0116, 0.4235, 0.3064



26.0116, 0.3065, 0.4517



26.0116, 0.2103, 0.3394

# Sweetspot

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



26.0127, 0.3050, 0.2370



73.5030, 0.3109, 0.3017



23.5612, 0.2500, 0.2394



15.8052, 0.3107, 0.2982



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.0127, 0.3050, 0.2370



39.9555, 0.3024, 0.2162



26.4482, 0.3421, 0.2675



9.6163, 0.3113, 0.3062



7.4262, 0.2809, 0.1321



0.3121, 0.2911, 0.1377



# Inverse Universe

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



25.3666, 0.3849, 0.3138



38.7292, 0.4103, 0.3104



41.4029, 0.2921, 0.4001



9.5608, 0.3264, 0.3253



7.3516, 0.6147, 0.3160



0.2959, 0.5555, 0.2834



# Previews

## White Background



This preview shows how the Yxy color 26.0116, 0.3050, 0.2370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

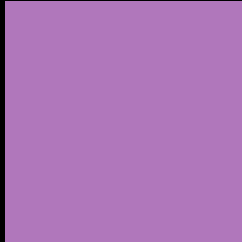
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.0116, 0.3050, 0.2370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

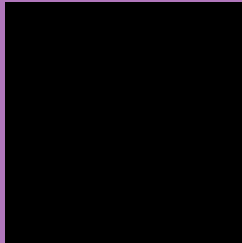
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.0116, 0.3050, 0.2370**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.0116, 0.3050, 0.2370.



This preview shows how white text looks on a background with the Yxy color 26.0116, 0.3050, 0.2370.

# 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

26.0116, 0.3050, 0.2370

### Protanopia

26.3632, 0.2416, 0.2328

### Deuteranopia

26.3417, 0.2641, 0.2591



## Tritanopia

25.9996, 0.3487, 0.3140

# Trichromacy



**Original Color**

26.0116, 0.3050, 0.2370

**Protanomaly**

25.8393, 0.2610, 0.2325

**Deuteranomaly**

25.8963, 0.2782, 0.2501

**Tritanomaly**

25.8382, 0.3334, 0.2839

# Monochromacy



**Original Color**

26.0116, 0.3050, 0.2370

**Achromatopsia**

27.8894, 0.3127, 0.3290

**Achromatomaly**

26.9339, 0.3102, 0.2909

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.0116, 0.3050, 0.2370 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(176, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(176, 119, 187)  
}
```

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(176, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 119, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0116, 0.3050, 0.2370 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(176, 119, 187) }
```

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

```
.border{ border-color:rgb(176, 119, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 119, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 119, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 119, 187);  
box-shadow:4px 4px 4px 4px rgb(176, 119,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.0116, 0.3050, 0.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 119, 187) }
```

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

```
.background{ background-color: rgb(176,  
119, 187) }
```

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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