

# Converting Colors

$Y_{xy}(26.2745, 0.3011, 0.2513)$

Have a look what the booklet for  
Yxy(26.2745, 0.3011, 0.2513)  
contains.

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# Color

**Yxy(26.3240, 0.3011, 0.2523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A67EB4
RGB	166, 126, 180
RGB Percent	65%, 49%, 71%
CMY	0.3492, 0.5058, 0.2942
CMYK	0.08, 0.30, 0.00, 0.29
HSL	284°, 26%, 60%
HSV	284°, 30%, 71%
XYZ	31.4156, 26.3240, 46.5965
YIQ	144.1160, 6.5060, 25.2740

# Conversions

## Conversions Part 2

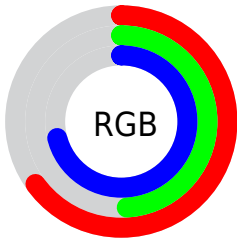
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 126, 180
Decimal	10911412
CIE <sub>Lab</sub>	58.34, 25.26, -22.54
CIE <sub>LCh</sub>	58, 33.853, 318.258
Yxy	26.3240, 0.3011, 0.2523
Android (android.graphics.Color)	4289101492 (0xFFA67EB4)
YUV	144.1160, 17.6908, 19.1923
Hunter-Lab	51.3069, 19.5097, -17.9318

# Details

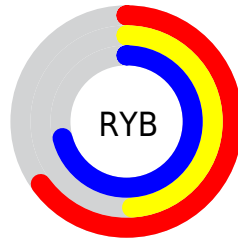
The Yxy color **26.3240, 0.3011, 0.2523** is a light color, and the websafe version is hex **996699**. A complement of this color would be **39.7242, 0.3206, 0.4120**, and the grayscale version is **27.8639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8259, 0.3043, 0.2668**, and **10.2119, 0.2953, 0.2280** is the 20% darker color. If you saturate the color by 10%, you get **21.6310, 0.2959, 0.2257**, and if you desaturate by 10%, it is **31.8658, 0.3056, 0.2789**.

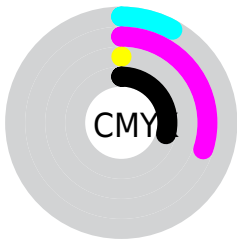
# Distribution



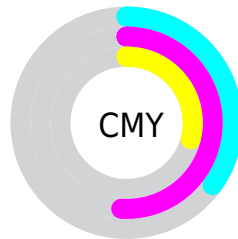
- Red (65%)
- Green (49%)
- Blue (71%)



- Red (65%)
- Yellow (49%)
- Blue (71%)



- Cyan (8%)
- Magenta (30%)
- Yellow (0%)
- Black (29%)




- Cyan (35%)
- Magenta (51%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3240, 0.3011, 0.2523 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 26.3240, 0.3011, 0.2523 by changing the saturation by 10% instead.





 26.3240, 0.3011,  
0.2523


 26.3240, 0.3011,  
0.2523


284.3690, 0.3082,  
0.2919

 17.0662, 0.2989,  
0.2421


 53.7972, 0.3040,  
0.2670

 10.2817, 0.2957,  
0.2288


 72.7813, 0.3050,  
0.2724

 5.5861, 0.2908,  
0.2108


 95.7764, 0.3058,  
0.2769

 2.5951, 0.2829,  
0.1855

123.1667, 0.3065,  
0.2808

 0.9242, 0.2682,  
0.1477

155.3368, 0.3070,  
0.2842

 0.0000, 0.2353,  
0.0000

192.6709, 0.3075,

 0.0000, 0.0000,

0.2871

0.0000

235.5535, 0.3079,  
0.2896

■ 26.3240, 0.3011,  
0.2523

■ 26.3240, 0.3011,  
0.2523

■ 21.6310, 0.2959,  
0.2257

■ 31.8658, 0.3056,  
0.2789

■ 17.7389, 0.2900,  
0.2000

■ 38.2943, 0.3095,  
0.3046

■ 14.5999, 0.2835,  
0.1762

■ 45.6493, 0.3127,  
0.3291

■ 12.1599, 0.2767,  
0.1556

■ 53.9668, 0.3153,  
0.3519

■ 10.3574, 0.2697,  
0.1389

■ 63.2814, 0.3175,  
0.3729

■ 9.1199, 0.2628,  
0.1267

■ 73.6254, 0.3191,  
0.3921

■ 8.2966, 0.2560,  
0.1184

■ 85.0302, 0.3204,  
0.4095

■ 8.2950, 0.2560,  
0.1184

■ 87.5677, 0.3231,  
0.4116

■ 88.2367, 0.3261,  
0.4108

# Harmonies

## Analogous

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



26.3240, 0.2508, 0.2393



26.3240, 0.3011, 0.2523



26.3240, 0.3596, 0.2816

# Triad

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



26.3240, 0.3011, 0.2523



26.3240, 0.4124, 0.4070



26.3240, 0.2251, 0.3253

# Complementary

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



26.3240, 0.3011, 0.2523



39.7242, 0.3206, 0.4120

# 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.



26.3240, 0.2627, 0.3835



26.3240, 0.3011, 0.2523



26.3240, 0.3708, 0.4316

# Square

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



26.3240, 0.3011, 0.2523



26.3240, 0.4270, 0.3664



26.3240, 0.3158, 0.4251



26.3240, 0.2103, 0.2754



# Rectangle

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



26.3240, 0.3011, 0.2523



26.3240, 0.3941, 0.3077



26.3240, 0.3158, 0.4251



26.3240, 0.2353, 0.3448

# Sweetspot

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



26.3251, 0.3011, 0.2523



70.4842, 0.3098, 0.3067



26.6105, 0.2633, 0.2666



14.8458, 0.3093, 0.3031



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



26.3251, 0.3011, 0.2523



41.9250, 0.2977, 0.2346



27.4350, 0.3296, 0.2716



8.5333, 0.3097, 0.3063



5.8241, 0.2568, 0.1188



0.2095, 0.2756, 0.1292



# Inverse Universe

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



26.5256, 0.3613, 0.3089



42.4357, 0.3766, 0.3043



38.9269, 0.2994, 0.3943



8.5404, 0.3248, 0.3231



6.9241, 0.5863, 0.3003



0.2276, 0.5064, 0.2563



# Previews

## White Background



This preview shows how the Yxy color 26.3240, 0.3011, 0.2523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

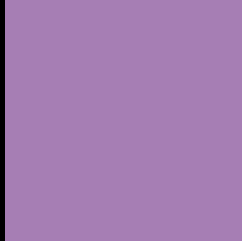
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.3240, 0.3011, 0.2523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

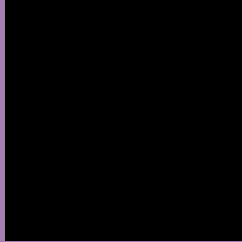
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.3240, 0.3011, 0.2523**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.3240, 0.3011, 0.2523.



This preview shows how white text looks on a background with the Yxy color 26.3240, 0.3011, 0.2523.

# 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

26.3240, 0.3011, 0.2523

### Protanopia

26.5750, 0.2563, 0.2520

### Deuteranopia

26.5422, 0.2726, 0.2668



## Tritanopia

26.3353, 0.3340, 0.3136

# Trichromacy



## Original Color

26.3240, 0.3011, 0.2523

## Protanomaly

26.2581, 0.2711, 0.2509

## Deuteranomaly

26.4159, 0.2818, 0.2611

## Tritanomaly

26.1521, 0.3225, 0.2899

# Monochromacy



## Original Color

26.3240, 0.3011, 0.2523

## Achromatopsia

27.8894, 0.3127, 0.3290

## Achromatomaly

27.0010, 0.3088, 0.2980

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.3240, 0.3011, 0.2523 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(166, 126, 180)` looks like.

```
.text, #text, p{  
    color:rgb(166, 126, 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(166, 126, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 126, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3240, 0.3011, 0.2523 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(166, 126, 180) }
```

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

```
.border{ border-color:rgb(166, 126, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 126, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 126, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 126, 180);  
box-shadow:4px 4px 4px 4px rgb(166, 126,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.3240, 0.3011, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 126, 180) }
```

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

```
.background{ background-color: rgb(166,  
126, 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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