

# Converting Colors

$Y_{xy}(25.9383, 0.2730, 0.2519)$

Have a look what the booklet for  
Yxy(25.9383, 0.2730, 0.2519)  
contains.

<b>Yxy(25.8985, 0.2726, 0.2520)</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(25.8985, 0.2726, 0.2520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8D85B8
RGB	141, 133, 184
RGB Percent	55%, 52%, 72%
CMY	0.4472, 0.4783, 0.2785
CMYK	0.23, 0.28, 0.00, 0.28
HSL	249°, 26%, 62%
HSV	249°, 28%, 72%
XYZ	28.0156, 25.8985, 48.8577
YIQ	141.2060, -11.6030, 17.5570

# Conversions

## Conversions Part 2

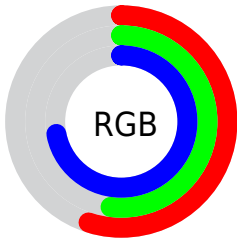
Format	Color
R <sub>Y</sub> B	141, 133, 184
Decimal	9274808
CIE Lab	57.94, 14.05, -25.63
CIE LCh	58, 29.228, 298.720
Yxy	25.8985, 0.2726, 0.2520
Android (android.graphics.Color)	4287464888 (0xFF8D85B8)
YUV	141.2060, 21.0974, -0.1807
Hunter-Lab	50.8906, 9.2070, -21.2982

# Details

The Yxy color **25.8985, 0.2726, 0.2520** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.2022, 0.3466, 0.3988**, and the grayscale version is **26.6383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0112, 0.2810, 0.2670**, and **10.1530, 0.2583, 0.2283** is the 20% darker color. If you saturate the color by 10%, you get **20.0273, 0.2548, 0.2195**, and if you desaturate by 10%, it is **32.8452, 0.2887, 0.2823**.

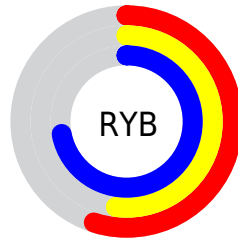
# Distribution



Red (55%)

Green (52%)

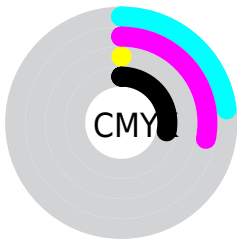
Blue (72%)



Red (55%)

Yellow (52%)

Blue (72%)

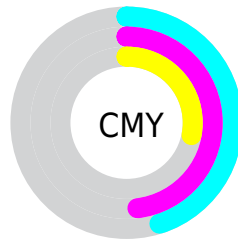


Cyan (23%)

Magenta (28%)

Yellow (0%)

Black (28%)



Cyan (45%)

Magenta (48%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8985, 0.2726, 0.2520 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 25.8985, 0.2726, 0.2520 by changing the saturation by 10% instead.





 25.8985, 0.2726,  
0.2520


 25.8985, 0.2726,  
0.2520

282.2835, 0.2947,  
0.2923


 16.7477, 0.2664,  
0.2414

 53.1112, 0.2812,  
0.2670

 10.0548, 0.2580,  
0.2276


 71.9418, 0.2842,  
0.2726

 5.4353, 0.2460,  
0.2089


 94.7679, 0.2867,  
0.2772

 2.5049, 0.2280,  
0.1822

121.9738, 0.2888,  
0.2811

 0.8791, 0.1982,  
0.1422

153.9439, 0.2907,  
0.2845

 0.0000, 0.0703,  
0.0000

191.0626, 0.2922,

 0.0000, 0.0000,

0.2875

0.0000

233.7144, 0.2935,  
0.2900

■ 25.8985, 0.2726,  
0.2520

■ 25.8985, 0.2726,  
0.2520

■ 20.0273, 0.2548,  
0.2195

■ 32.8452, 0.2887,  
0.2823

■ 15.1744, 0.2359,  
0.1858

■ 40.9143, 0.3030,  
0.3098

■ 11.2824, 0.2165,  
0.1525

■ 50.1539, 0.3154,  
0.3344

■ 8.2864, 0.1978,  
0.1219

■ 60.6081, 0.3261,  
0.3560

■ 6.1139, 0.1812,  
0.0962

■ 72.3190, 0.3353,  
0.3749

■ 4.6803, 0.1677,  
0.0773

■ 85.3265, 0.3432,  
0.3914

■ 3.8622, 0.1583,  
0.0657

■ 95.2478, 0.3514,  
0.3997

■ 3.7156, 0.1565,  
0.0636

■ 96.2398, 0.3550,  
0.3989

# Harmonies

## Analogous

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



25.8985, 0.2381, 0.2521



25.8985, 0.2726, 0.2520



25.8985, 0.3206, 0.2690

# Triad

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



25.8985, 0.2726, 0.2520



25.8985, 0.4110, 0.3761



25.8985, 0.2558, 0.3591

# Complementary

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



25.8985, 0.2726, 0.2520



45.2022, 0.3466, 0.3988

# 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.



25.8985, 0.2990, 0.4019



25.8985, 0.2726, 0.2520



25.8985, 0.3896, 0.4073

# Square

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



25.8985, 0.2726, 0.2520



25.8985, 0.4042, 0.3372



25.8985, 0.3480, 0.4192



25.8985, 0.2289, 0.3097



# Rectangle

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



25.8985, 0.2726, 0.2520



25.8985, 0.3544, 0.2880



25.8985, 0.3480, 0.4192



25.8985, 0.2688, 0.3752

# Sweetspot

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



25.8995, 0.2726, 0.2520



73.5041, 0.3024, 0.3087



39.6306, 0.2719, 0.3177



15.3468, 0.3004, 0.3047



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



25.8995, 0.2726, 0.2520



40.4970, 0.2624, 0.2332



28.3636, 0.2975, 0.2573



8.7848, 0.3008, 0.3055



2.5818, 0.1573, 0.0640



0.1122, 0.1782, 0.0755



# Inverse Universe

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



30.1055, 0.3239, 0.2709



49.3903, 0.3268, 0.2586



42.5320, 0.3241, 0.4041



9.1381, 0.3161, 0.3099



8.6712, 0.3640, 0.1779

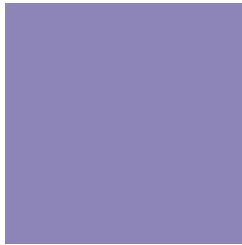


0.3122, 0.3512, 0.1708



# Previews

## White Background



This preview shows how the Yxy color 25.8985, 0.2726, 0.2520 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 25.8985, 0.2726, 0.2520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

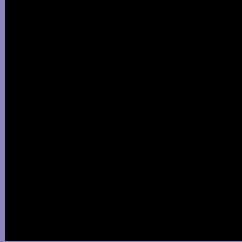
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.8985, 0.2726, 0.2520**

## Background



This preview shows how black text looks on a background with the Yxy color 25.8985, 0.2726, 0.2520.



This preview shows how white text looks on a background with the Yxy color 25.8985, 0.2726, 0.2520.

# 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

25.8985, 0.2726, 0.2520

### Protanopia

25.8392, 0.2565, 0.2513

### Deuteranopia

25.9773, 0.2630, 0.2574



## Tritanopia

25.8181, 0.2977, 0.3108

# Trichromacy



## Original Color

25.8985, 0.2726, 0.2520

## Protanomaly

25.9788, 0.2623, 0.2521

## Deuteranomaly

26.0138, 0.2664, 0.2565

## Tritanomaly

25.8183, 0.2884, 0.2888

# Monochromacy



## Original Color

25.8985, 0.2726, 0.2520

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

26.2740, 0.2972, 0.2985

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.8985, 0.2726, 0.2520 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(141, 133, 184)` looks like.

```
.text, #text, p{  
    color:rgb(141, 133, 184)  
}
```

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(141, 133, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 133, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 25.8985, 0.2726, 0.2520 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(141, 133, 184) }
```

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

```
.border{ border-color:rgb(141, 133, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 133, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 133, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 133, 184);  
box-shadow:4px 4px 4px 4px rgb(141, 133,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.8985, 0.2726, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 133, 184) }
```

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

```
.background{ background-color: rgb(141,  
133, 184) }
```

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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