

# Converting Colors

$Y_{xy}(44.2531, 0.2806, 0.2624)$

Have a look what the booklet for  
Yxy(44.2531, 0.2806, 0.2624)  
contains.

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# Color

**Yxy(44.1308, 0.2802, 0.2617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6AAE1
RGB	182, 170, 225
RGB Percent	71%, 67%, 88%
CMY	0.2864, 0.3333, 0.1177
CMYK	0.19, 0.24, 0.00, 0.12
HSL	253°, 48%, 77%
HSV	253°, 24%, 88%
XYZ	47.2505, 44.1308, 77.2500
YIQ	179.8580, -10.5030, 19.6490

# Conversions

## Conversions Part 2

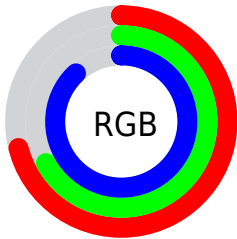
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 170, 225
Decimal	11971297
CIE <sub>Lab</sub>	72.32, 15.42, -26.11
CIE <sub>LCh</sub>	72, 30.322, 300.561
Yxy	44.1308, 0.2802, 0.2617
Android (android.graphics.Color)	4290161377 (0xFFB6AAE1)
YUV	179.8580, 22.2550, 1.8785
Hunter-Lab	66.4310, 10.7077, -22.4443

# Details

The Yxy color  $44.1308, 0.2802, 0.2617$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $70.8942, 0.3405, 0.3917$ , and the grayscale version is  $45.4438, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.2476, 0.3026, 0.2989$ , and  $20.4483, 0.2699, 0.2438$  is the 20% darker color. If you saturate the color by 10%, you get  $34.3962, 0.2639, 0.2298$ , and if you desaturate by 10%, it is  $55.5819, 0.2948, 0.2913$ .

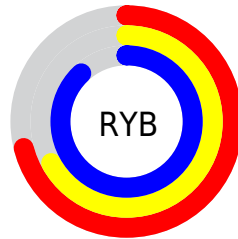
# Distribution



Red (71%)

Green (67%)

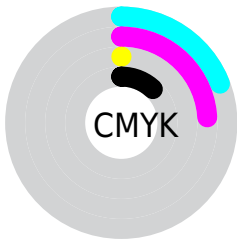
Blue (88%)



Red (71%)

Yellow (67%)

Blue (88%)

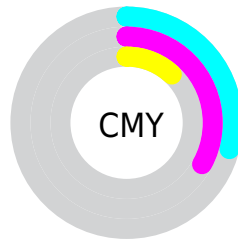


Cyan (19%)

Magenta (24%)

Yellow (0%)

Black (12%)



Cyan (29%)

Magenta (33%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1308, 0.2802, 0.2617 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 44.1308, 0.2802, 0.2617 by changing the saturation by 10% instead.





 44.1308, 0.2802,  
0.2617

 44.1308, 0.2802,  
0.2617

363.2418, 0.2968,  
0.2942

 30.7734, 0.2760,  
0.2540


 81.4145, 0.2863,  
0.2732

 20.4263, 0.2706,  
0.2443


106.1096, 0.2885,  
0.2776

 12.7053, 0.2635,  
0.2319


135.3527, 0.2904,  
0.2814

 7.2259, 0.2535,  
0.2153

169.5281, 0.2921,  
0.2846

 3.6038, 0.2389,  
0.1923

209.0204, 0.2935,  
0.2875

 1.4545, 0.2157,  
0.1589

254.2138, 0.2947,

 0.2564, 0.1777,

0.2900

0.0735

305.4928, 0.2958,  
0.2922

0.0000, 0.0000,  
0.0000

44.1308, 0.2802,  
0.2617

44.1308, 0.2802,  
0.2617

34.3962, 0.2639,  
0.2298

55.5819, 0.2948,  
0.2913

26.2891, 0.2461,  
0.1965

68.8217, 0.3076,  
0.3181

19.7210, 0.2275,  
0.1633

83.9249, 0.3187,  
0.3419

14.5922, 0.2089,  
0.1321

97.7231, 0.3287,  
0.3583

10.7914, 0.1916,  
0.1050

98.2154, 0.3304,  
0.3582

■ 8.1903, 0.1768,  
0.0842

■ 6.6338, 0.1654,  
0.0707

■ 6.0874, 0.1605,  
0.0658

# Harmonies

## Analogous

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



44.1308, 0.2487, 0.2611



44.1308, 0.2802, 0.2617



44.1308, 0.3226, 0.2775

# Triad

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



44.1308, 0.2802, 0.2617



44.1308, 0.3977, 0.3729



44.1308, 0.2613, 0.3526

# Complementary

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



44.1308, 0.2802, 0.2617



70.8942, 0.3405, 0.3917

# 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.



44.1308, 0.2986, 0.3898



44.1308, 0.2802, 0.2617



44.1308, 0.3782, 0.3988

# Square

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



44.1308, 0.2802, 0.2617



44.1308, 0.3931, 0.3390



44.1308, 0.3415, 0.4067



44.1308, 0.2383, 0.3103



# Rectangle

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



44.1308, 0.2802, 0.2617



44.1308, 0.3516, 0.2948



44.1308, 0.3415, 0.4067



44.1308, 0.2725, 0.3664

# Sweetspot

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



44.1326, 0.2802, 0.2617



86.5821, 0.3044, 0.3113



61.6089, 0.2756, 0.3146



18.2968, 0.3037, 0.3097



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.



44.1326, 0.2802, 0.2617



52.1777, 0.2726, 0.2467



47.8055, 0.3025, 0.2659



13.3864, 0.3014, 0.3050



3.5502, 0.1616, 0.0664



0.2852, 0.1764, 0.0746



# Inverse Universe

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



49.5652, 0.3254, 0.2808



60.5546, 0.3284, 0.2712



67.1325, 0.3203, 0.3958



13.8819, 0.3171, 0.3108



11.0494, 0.3847, 0.1893



0.7787, 0.3729, 0.1828



# Previews

## White Background



This preview shows how the Yxy color 44.1308, 0.2802, 0.2617 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

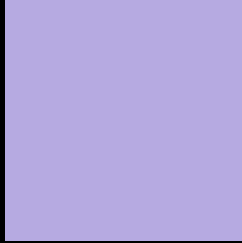
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1308, 0.2802, 0.2617 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

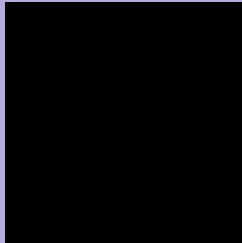
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.1308, 0.2802, 0.2617**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.1308, 0.2802, 0.2617.



This preview shows how white text looks on a background with the Yxy color 44.1308, 0.2802, 0.2617.

# 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

44.1308, 0.2802, 0.2617

### Protanopia

44.1036, 0.2638, 0.2610

### Deuteranopia

44.2000, 0.2720, 0.2662



## Tritanopia

43.9985, 0.3016, 0.3106

# Trichromacy



## Original Color

44.1308, 0.2802, 0.2617

## Protanomaly

44.0346, 0.2693, 0.2605

## Deuteranomaly

44.2676, 0.2750, 0.2654

## Tritanomaly

44.0489, 0.2932, 0.2917

# Monochromacy



## Original Color

44.1308, 0.2802, 0.2617

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

44.8599, 0.3011, 0.3032

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1308, 0.2802, 0.2617 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(182, 170, 225)` looks like.

```
.text, #text, p{  
    color:rgb(182, 170, 225)  
}
```

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(182, 170, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 170, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1308, 0.2802, 0.2617 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(182, 170, 225) }
```

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

```
.border{ border-color:rgb(182, 170, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 170, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 170, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 170, 225);  
box-shadow:4px 4px 4px 4px rgb(182, 170,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1308, 0.2802, 0.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 170, 225) }
```

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

```
.background{ background-color: rgb(182,  
170, 225) }
```

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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