

# Converting Colors

$Y_{xy}(44.7092, 0.2727, 0.2581)$

Have a look what the booklet for  
Yxy(44.7092, 0.2727, 0.2581)  
contains.

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# Color

**Yxy(44.5653, 0.2731, 0.2580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1ACE6
RGB	177, 172, 230
RGB Percent	69%, 67%, 90%
CMY	0.3058, 0.3255, 0.0979
CMYK	0.23, 0.25, 0.00, 0.10
HSL	245°, 54%, 79%
HSV	245°, 25%, 90%
XYZ	47.1736, 44.5653, 80.9948
YIQ	180.1070, -15.6380, 19.0980

# Conversions

## Conversions Part 2

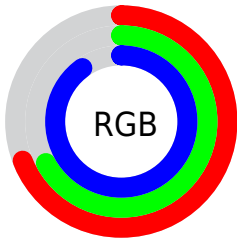
Format	Color
<a href="#">RYB</a>	<a href="#">177, 172, 230</a>
Decimal	<a href="#">11644134</a>
CIELab	<a href="#">72.60, 13.96, -28.45</a>
CIELCh	<a href="#">73, 31.688, 296.132</a>
Yxy	<a href="#">44.5653, 0.2731, 0.2580</a>
Android (android.graphics.Color)	<a href="#">4289834214</a> ( <a href="#">0xFFB1ACE6</a> )
YUV	<a href="#">180.1070, 24.5972, -2.7248</a>
Hunter-Lab	<a href="#">66.7572, 9.3107, -25.2050</a>

# Details

The Yxy color `44.5653, 0.2731, 0.2580` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `75.5905, 0.3470, 0.3927`, and the grayscale version is `45.5771, 0.3127, 0.3290`.

A 20% lighter version of the original color is `79.4818, 0.2993, 0.3006`, and `20.6999, 0.2617, 0.2405` is the 20% darker color. If you saturate the color by 10%, you get `34.2763, 0.2541, 0.2248`, and if you desaturate by 10%, it is `56.7529, 0.2903, 0.2886`.

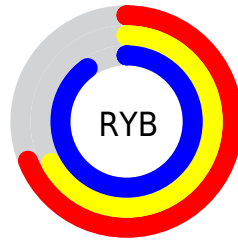
# Distribution



Red (69%)

Green (67%)

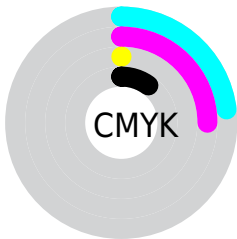
Blue (90%)



Red (69%)

Yellow (67%)

Blue (90%)

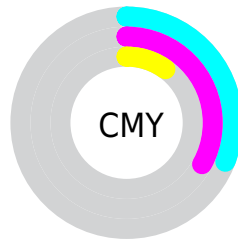


Cyan (23%)

Magenta (25%)

Yellow (0%)

Black (10%)



Cyan (31%)

Magenta (33%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5653, 0.2731, 0.2580 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 44.5653, 0.2731, 0.2580 by changing the saturation by 10% instead.



■ 44.5653, 0.2731,  
0.2580

■ 44.5653, 0.2731,  
0.2580

365.0102, 0.2931,  
0.2922

■ 31.1152, 0.2681,  
0.2499

■ 82.0677, 0.2804,  
0.2701

■ 20.6866, 0.2617,  
0.2398

106.8888, 0.2831,  
0.2747

■ 12.8951, 0.2533,  
0.2268

136.2690, 0.2854,  
0.2787

■ 7.3563, 0.2418,  
0.2096

170.5926, 0.2874,  
0.2821

■ 3.6859, 0.2251,  
0.1860

210.2442, 0.2891,  
0.2851

■ 1.4995, 0.1993,  
0.1520

255.6080, 0.2906,

■ 0.2884, 0.1568,

0.2878

0.0735

307.0685, 0.2919,  
0.2901

0.0000, 0.0000,  
0.0000

44.5653, 0.2731,  
0.2580

44.5653, 0.2731,  
0.2580

34.2763, 0.2541,  
0.2248

56.7529, 0.2903,  
0.2886

25.7852, 0.2339,  
0.1900

70.9223, 0.3055,  
0.3160

18.9901, 0.2133,  
0.1554

87.1584, 0.3188,  
0.3401

13.7766, 0.1937,  
0.1232

98.4945, 0.3274,  
0.3532

10.0164, 0.1766,  
0.0961

■ 7.5608, 0.1634,  
0.0762

■ 6.2290, 0.1549,  
0.0646

■ 5.8627, 0.1523,  
0.0613

# Harmonies

## Analogous

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



44.5653, 0.2428, 0.2598



44.5653, 0.2731, 0.2580



44.5653, 0.3161, 0.2723

# Triad

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



44.5653, 0.2731, 0.2580



44.5653, 0.4022, 0.3695



44.5653, 0.2641, 0.3601

# Complementary

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



44.5653, 0.2731, 0.2580



75.5905, 0.3470, 0.3927

# 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.



44.5653, 0.3044, 0.3968



44.5653, 0.2731, 0.2580



44.5653, 0.3851, 0.3985

# Square

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



44.5653, 0.2731, 0.2580



44.5653, 0.3936, 0.3338



44.5653, 0.3488, 0.4104



44.5653, 0.2378, 0.3156



# Rectangle

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



44.5653, 0.2731, 0.2580



44.5653, 0.3467, 0.2891



44.5653, 0.3488, 0.4104



44.5653, 0.2764, 0.3741

# Sweetspot

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



44.5671, 0.2731, 0.2580



84.3041, 0.3015, 0.3086



68.4360, 0.2752, 0.3232



17.4531, 0.2992, 0.3045



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.



44.5671, 0.2731, 0.2580



49.5915, 0.2639, 0.2419



48.3162, 0.2957, 0.2624



13.9466, 0.2994, 0.3048



3.3402, 0.1529, 0.0616



0.2676, 0.1604, 0.0657



# Inverse Universe

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



51.7647, 0.3197, 0.2714



60.1000, 0.3213, 0.2600



71.3436, 0.3260, 0.3972



14.5925, 0.3151, 0.3078



12.1691, 0.3439, 0.1668

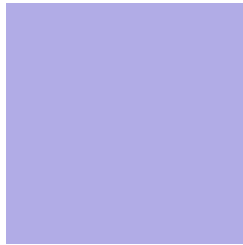


0.9056, 0.3402, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 44.5653, 0.2731, 0.2580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

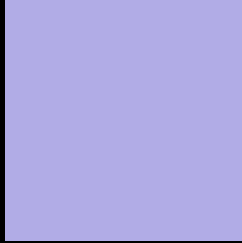
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.5653, 0.2731, 0.2580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

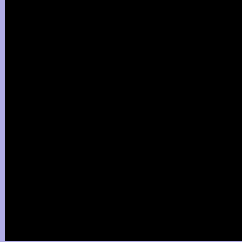
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.5653, 0.2731, 0.2580**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.5653, 0.2731, 0.2580.



This preview shows how white text looks on a background with the Yxy color 44.5653, 0.2731, 0.2580.

# 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

44.5653, 0.2731, 0.2580

### Protanopia

44.7204, 0.2615, 0.2579

### Deuteranopia

44.6419, 0.2674, 0.2617



## Tritanopia

44.6365, 0.2943, 0.3104

# Trichromacy



## Original Color

44.5653, 0.2731, 0.2580

## Protanomaly

44.8110, 0.2655, 0.2584

## Deuteranomaly

44.5872, 0.2695, 0.2608

## Tritanomaly

44.3911, 0.2870, 0.2903

# Monochromacy



## Original Color

44.5653, 0.2731, 0.2580

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.1052, 0.2979, 0.3019

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5653, 0.2731, 0.2580 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(177, 172, 230)` looks like.

```
.text, #text, p{  
    color:rgb(177, 172, 230)  
}
```

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(177, 172, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 172, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5653, 0.2731, 0.2580 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(177, 172, 230) }
```

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

```
.border{ border-color:rgb(177, 172, 230) }
```

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

Here you see how a box with a 4 pixel rgb(177, 172, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 172, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 172, 230);  
box-shadow:4px 4px 4px 4px rgb(177, 172,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5653, 0.2731, 0.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 172, 230) }
```

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

```
.background{ background-color: rgb(177,  
172, 230) }
```

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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