

# Converting Colors

$Y_{xy}(44.7460, 0.2584, 0.2488)$

Have a look what the booklet for  
Yxy(44.7460, 0.2584, 0.2488)  
contains.

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# Color

**Yxy(44.5627, 0.2583, 0.2482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5AEF0
RGB	165, 174, 240
RGB Percent	65%, 68%, 94%
CMY	0.3531, 0.3176, 0.0588
CMYK	0.31, 0.27, 0.00, 0.06
HSL	233°, 71%, 79%
HSV	233°, 31%, 94%
XYZ	46.3761, 44.5627, 88.6047
YIQ	178.8330, -26.5500, 18.6180

# Conversions

## Conversions Part 2

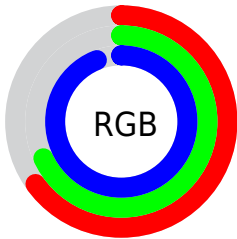
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	165, 173, 240
Decimal	10858224
CIE <sub>Lab</sub>	72.60, 11.72, -33.96
CIE <sub>LCh</sub>	73, 35.924, 289.042
Yxy	44.5627, 0.2583, 0.2482
Android (android.graphics.Color)	4289048304 (0xFFA5AEF0)
YUV	178.8330, 30.1553, -12.1315
Hunter-Lab	66.7553, 7.1853, -31.9673

# Details

The Yxy color **44.5627, 0.2583, 0.2482** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **78.3723, 0.3626, 0.3986**, and the grayscale version is **44.8310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6308, 0.2915, 0.3021**, and **20.7593, 0.2433, 0.2278** is the 20% darker color. If you saturate the color by 10%, you get **34.7033, 0.2381, 0.2170**, and if you desaturate by 10%, it is **56.1898, 0.2774, 0.2771**.

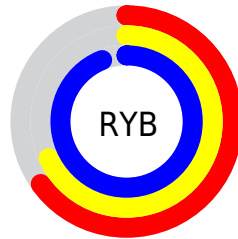
# Distribution



Red (65%)

Green (68%)

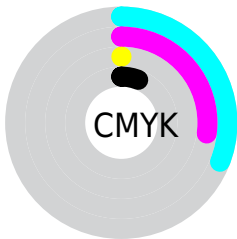
Blue (94%)



Red (65%)

Yellow (68%)

Blue (94%)

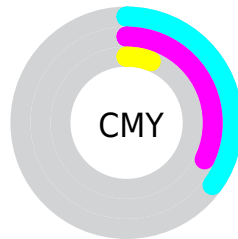


Cyan (31%)

Magenta (27%)

Yellow (0%)

Black (6%)



Cyan (35%)

Magenta (32%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5627, 0.2583, 0.2482 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 44.5627, 0.2583, 0.2482 by changing the saturation by 10% instead.



■ 44.5627, 0.2583,  
0.2482

■ 44.5627, 0.2583,  
0.2482

364.9996, 0.2854,  
0.2870

■ 31.1131, 0.2517,  
0.2391

■ 82.0638, 0.2681,  
0.2619

■ 20.6850, 0.2433,  
0.2278

■ 106.8841, 0.2718,  
0.2671

■ 12.8939, 0.2324,  
0.2134

136.2635, 0.2749,  
0.2716

■ 7.3556, 0.2177,  
0.1945

170.5863, 0.2776,  
0.2755

■ 3.6854, 0.1971,  
0.1690

210.2369, 0.2799,  
0.2789

■ 1.4992, 0.1666,  
0.1335

255.5997, 0.2820,

■ 0.2882, 0.1175,

0.2819

0.0605

307.0591, 0.2838,  
0.2846

0.0000, 0.0000,  
0.0000

44.5627, 0.2583,  
0.2482

44.5627, 0.2583,  
0.2482

34.7033, 0.2381,  
0.2170

56.1898, 0.2774,  
0.2771

26.5196, 0.2177,  
0.1845

69.6602, 0.2950,  
0.3032

19.9193, 0.1980,  
0.1524

85.0513, 0.3108,  
0.3263

14.7987, 0.1806,  
0.1225

99.0721, 0.3214,  
0.3434

11.0417, 0.1665,  
0.0973

■ 8.5142, 0.1569,  
0.0783

■ 7.1684, 0.1521,  
0.0674

# Harmonies

## Analogous

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



44.5627, 0.2291, 0.2544



44.5627, 0.2583, 0.2482



44.5627, 0.3040, 0.2603

# Triad

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



44.5627, 0.2583, 0.2482



44.5627, 0.4146, 0.3646



44.5627, 0.2672, 0.3759

# Complementary

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



44.5627, 0.2583, 0.2482



78.3723, 0.3626, 0.3986

# 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.



44.5627, 0.3147, 0.4131



44.5627, 0.2583, 0.2482



44.5627, 0.4013, 0.4004

# Square

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



44.5627, 0.2583, 0.2482



44.5627, 0.3979, 0.3242



44.5627, 0.3640, 0.4206



44.5627, 0.2335, 0.3249



# Rectangle

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



44.5627, 0.2583, 0.2482



44.5627, 0.3389, 0.2769



44.5627, 0.3640, 0.4206



44.5627, 0.2820, 0.3909

# Sweetspot

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



44.5644, 0.2583, 0.2482



83.6968, 0.2987, 0.3086



76.0365, 0.2730, 0.3405



17.3872, 0.2963, 0.3051



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.



44.5644, 0.2583, 0.2482



43.1694, 0.2446, 0.2270



44.4572, 0.2776, 0.2418



15.5358, 0.2980, 0.3076



4.0234, 0.1525, 0.0689



0.4334, 0.1573, 0.0863



# Inverse Universe

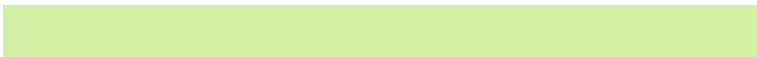
The Inverse Universe completely reimagines the original color for something new.



48.4801, 0.3754, 0.3191



48.6421, 0.3956, 0.3169



79.1137, 0.3402, 0.4125



15.7899, 0.3274, 0.3262



10.1995, 0.6250, 0.3217

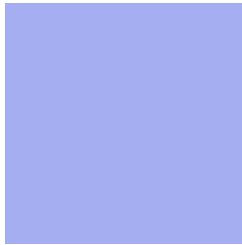


0.8585, 0.5969, 0.3062



# Previews

## White Background



This preview shows how the Yxy color 44.5627, 0.2583, 0.2482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

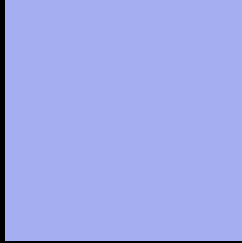
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.5627, 0.2583, 0.2482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

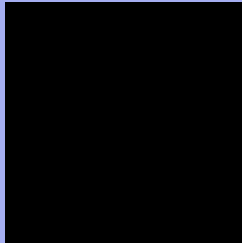
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.5627, 0.2583, 0.2482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.5627, 0.2583, 0.2482.



This preview shows how white text looks on a background with the Yxy color 44.5627, 0.2583, 0.2482.

# 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

44.5627, 0.2583, 0.2482

### Protanopia

44.7725, 0.2540, 0.2488

### Deuteranopia

44.5283, 0.2558, 0.2489



## Tritanopia

44.5550, 0.2807, 0.3086

# Trichromacy



## Original Color

44.5627, 0.2583, 0.2482

## Protanomaly

44.5879, 0.2552, 0.2478

## Deuteranomaly

44.6326, 0.2564, 0.2490

## Tritanomaly

44.4152, 0.2717, 0.2845

# Monochromacy



## Original Color

44.5627, 0.2583, 0.2482

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

44.6600, 0.2916, 0.2978

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5627, 0.2583, 0.2482 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(165, 174, 240)` looks like.

```
.text, #text, p{  
    color:rgb(165, 174, 240)  
}
```

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(165, 174, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 174, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5627, 0.2583, 0.2482 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(165, 174, 240) }
```

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

```
.border{ border-color:rgb(165, 174, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 174, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 174, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 174, 240);  
box-shadow:4px 4px 4px 4px rgb(165, 174,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5627, 0.2583, 0.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 174, 240) }
```

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

```
.background{ background-color: rgb(165,  
174, 240) }
```

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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