

# Converting Colors

$Yxy(46.5257, 0.2577, 0.2395)$

Have a look what the booklet for  
Yxy(46.5257, 0.2577, 0.2395)  
contains.

<b>Yxy(46.5092, 0.2575, 0.2396)</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(46.5092, 0.2575, 0.2396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADAFFB
RGB	173, 175, 251
RGB Percent	68%, 69%, 98%
CMY	0.3214, 0.3138, 0.0156
CMYK	0.31, 0.30, 0.00, 0.02
HSL	239°, 91%, 83%
HSV	239°, 31%, 98%
XYZ	49.9838, 46.5092, 97.6189
YIQ	183.0660, -25.5880, 23.2120

# Conversions

## Conversions Part 2

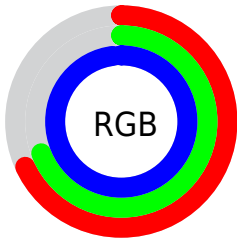
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 175, 251
Decimal	11382779
CIELab	73.87, 16.19, -37.89
CIELCh	74, 41.209, 293.138
Yxy	46.5092, 0.2575, 0.2396
Android (android.graphics.Color)	4289572859 (0xFFADAFFB)
YUV	183.0660, 33.4915, -8.8279
Hunter-Lab	68.1977, 11.4813, -37.1300

# Details

The Yxy color **46.5092, 0.2575, 0.2396** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **91.3208, 0.3603, 0.4051**, and the grayscale version is **47.2195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6366, 0.2973, 0.3036**, and **21.9125, 0.2425, 0.2187** is the 20% darker color. If you saturate the color by 10%, you get **35.2341, 0.2364, 0.2051**, and if you desaturate by 10%, it is **60.0518, 0.2773, 0.2718**.

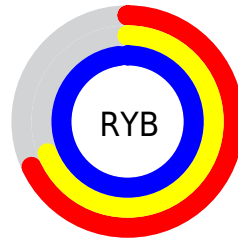
# Distribution



Red (68%)

Green (69%)

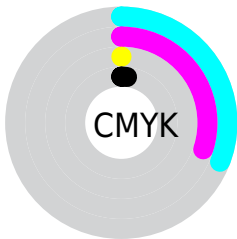
Blue (98%)



Red (68%)

Yellow (69%)

Blue (98%)

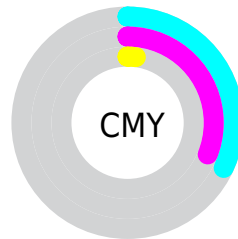


Cyan (31%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (32%)

Magenta (31%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5092, 0.2575, 0.2396 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 46.5092, 0.2575, 0.2396 by changing the saturation by 10% instead.



■ 46.5092, 0.2575,  
0.2396

■ 46.5092, 0.2575,  
0.2396

372.8520, 0.2849,  
0.2817

■ 32.6478, 0.2509,  
0.2300

■ 84.9805, 0.2673,  
0.2543

■ 21.8568, 0.2425,  
0.2181

110.3593, 0.2710,  
0.2599

■ 13.7517, 0.2317,  
0.2031

140.3460, 0.2742,  
0.2648

■ 7.9482, 0.2173,  
0.1839

175.3250, 0.2769,  
0.2691

■ 4.0618, 0.1974,  
0.1585

215.6807, 0.2793,  
0.2728

■ 1.7082, 0.1685,  
0.1242

261.7975, 0.2814,

■ 0.4290, 0.1265,

0.2761

0.0676

314.0598, 0.2832,  
0.2791

0.0000, 0.0000,  
0.0000

46.5092, 0.2575,  
0.2396

46.5092, 0.2575,  
0.2396

35.2341, 0.2364,  
0.2051

60.0518, 0.2773,  
0.2718

26.0976, 0.2149,  
0.1698

75.9706, 0.2952,  
0.3008

18.9661, 0.1943,  
0.1359

94.3738, 0.3111,  
0.3265

13.6892, 0.1764,  
0.1060

99.7458, 0.3150,  
0.3328

10.0948, 0.1627,  
0.0826

■ 7.9789, 0.1540,  
0.0676

■ 7.1020, 0.1503,  
0.0611

# Harmonies

## Analogous

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



46.5092, 0.2223, 0.2431



46.5092, 0.2575, 0.2396



46.5092, 0.3104, 0.2556

# Triad

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



46.5092, 0.2575, 0.2396



46.5092, 0.4277, 0.3738



46.5092, 0.2548, 0.3748

# Complementary

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



46.5092, 0.2575, 0.2396



91.3208, 0.3603, 0.4051

# 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.



46.5092, 0.3066, 0.4212



46.5092, 0.2575, 0.2396



46.5092, 0.4077, 0.4130

# Square

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



46.5092, 0.2575, 0.2396



46.5092, 0.4137, 0.3290



46.5092, 0.3627, 0.4337



46.5092, 0.2205, 0.3160



# Rectangle

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



46.5092, 0.2575, 0.2396



46.5092, 0.3500, 0.2753



46.5092, 0.3627, 0.4337



46.5092, 0.2707, 0.3930

# Sweetspot

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



46.5110, 0.2575, 0.2396



82.4491, 0.2987, 0.3064



84.6940, 0.2693, 0.3317



17.0830, 0.2962, 0.3025



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.



46.5110, 0.2575, 0.2396



40.9581, 0.2450, 0.2192



50.4867, 0.2837, 0.2437



16.7125, 0.2979, 0.3051



3.7635, 0.1504, 0.0615



0.3723, 0.1515, 0.0652



# Inverse Universe

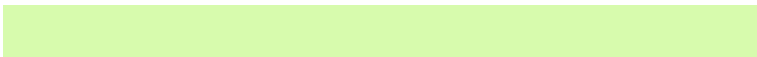
The Inverse Universe completely reimagines the original color for something new.



53.5094, 0.3819, 0.3271



49.2722, 0.4015, 0.3268



86.4113, 0.3349, 0.4136



17.2322, 0.3290, 0.3285



10.7908, 0.6375, 0.3286

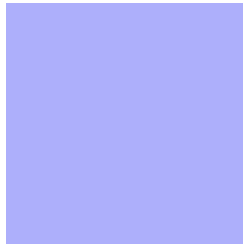


1.0018, 0.6312, 0.3251



# Previews

## White Background



This preview shows how the Yxy color 46.5092, 0.2575, 0.2396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

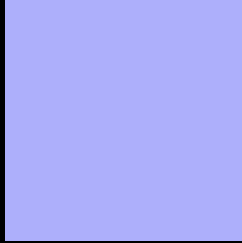
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.5092, 0.2575, 0.2396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

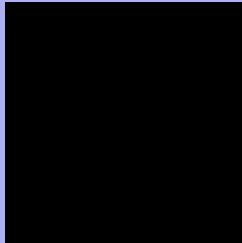
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.5092, 0.2575, 0.2396**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.5092, 0.2575, 0.2396.



This preview shows how white text looks on a background with the Yxy color 46.5092, 0.2575, 0.2396.

# 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

46.5092, 0.2575, 0.2396

### Protanopia

46.6651, 0.2467, 0.2393

### Deuteranopia

46.5133, 0.2495, 0.2434



## Tritanopia

46.5494, 0.2834, 0.3091

# Trichromacy



## Original Color

46.5092, 0.2575, 0.2396

## Protanomaly

46.7192, 0.2502, 0.2398

## Deuteranomaly

46.6354, 0.2525, 0.2429

## Tritanomaly

46.2692, 0.2731, 0.2806

# Monochromacy



## Original Color

46.5092, 0.2575, 0.2396

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.7803, 0.2906, 0.2936

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.5092, 0.2575, 0.2396 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(173, 175, 251)` looks like.

```
.text, #text, p{  
    color:rgb(173, 175, 251)  
}
```

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(173, 175, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 175, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 46.5092, 0.2575, 0.2396 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(173, 175, 251) }
```

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

```
.border{ border-color:rgb(173, 175, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 175, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 175, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 175, 251);  
box-shadow:4px 4px 4px 4px rgb(173, 175,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.5092, 0.2575, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 175, 251) }
```

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

```
.background{ background-color: rgb(173,  
175, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor