

# Converting Colors

$Y_{xy}(41.5640, 0.2595, 0.2526)$

Have a look what the booklet for  
Yxy(41.5640, 0.2595, 0.2526)  
contains.

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# Color

**Yxy(41.4600, 0.2595, 0.2515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FA9E6
RGB	159, 169, 230
RGB Percent	62%, 66%, 90%
CMY	0.3762, 0.3373, 0.0980
CMYK	0.31, 0.27, 0.00, 0.10
HSL	232°, 59%, 76%
HSV	232°, 31%, 90%
XYZ	42.7788, 41.4600, 80.6121
YIQ	172.9640, -25.5410, 16.8510

# Conversions

## Conversions Part 2

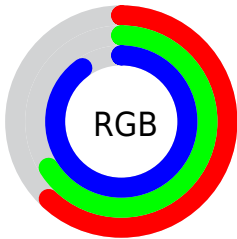
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 168, 230
Decimal	10463718
CIE Lab	70.50, 10.35, -31.80
CIE LCh	70, 33.438, 288.023
Yxy	41.4600, 0.2595, 0.2515
Android (android.graphics.Color)	4288653798 (0xFF9FA9E6)
YUV	172.9640, 28.1187, -12.2464
Hunter-Lab	64.3894, 5.9096, -29.1553

# Details

The Yxy color **41.4600, 0.2595, 0.2515** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.5609, 0.3622, 0.3961**, and the grayscale version is **41.6396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9784, 0.2875, 0.2964**, and **18.7818, 0.2441, 0.2312** is the 20% darker color. If you saturate the color by 10%, you get **32.5115, 0.2396, 0.2211**, and if you desaturate by 10%, it is **51.9631, 0.2784, 0.2796**.

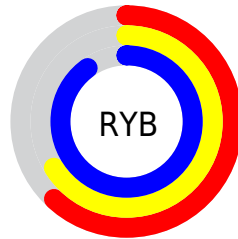
# Distribution



Red (62%)

Green (66%)

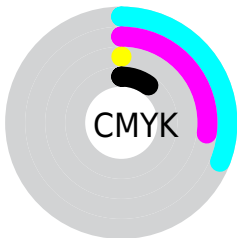
Blue (90%)



Red (62%)

Yellow (66%)

Blue (90%)

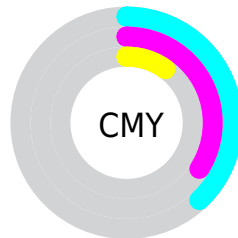


Cyan (31%)

Magenta (27%)

Yellow (0%)

Black (10%)



Cyan (38%)

Magenta (34%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4600, 0.2595, 0.2515 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 41.4600, 0.2595, 0.2515 by changing the saturation by 10% instead.



■ 41.4600, 0.2595,  
0.2515

■ 41.4600, 0.2595,  
0.2515

■ 352.2395, 0.2863,  
0.2893

■ 28.6787, 0.2528,  
0.2425

■ 77.3817, 0.2692,  
0.2649

■ 18.8379, 0.2443,  
0.2311

■ 101.2909, 0.2729,  
0.2701

■ 11.5532, 0.2332,  
0.2166

■ 129.6781, 0.2760,  
0.2745

■ 6.4402, 0.2180,  
0.1972

■ 162.9279, 0.2787,  
0.2782

■ 3.1146, 0.1962,  
0.1705

■ 201.4245, 0.2810,  
0.2815

■ 1.1918, 0.1634,  
0.1325

■ 245.5524, 0.2830,

■ 0.0550, 0.0914,

0.2844

0.0165

295.6959, 0.2847,  
0.2870

0.0000, 0.0000,  
0.0000

41.4600, 0.2595,  
0.2515

41.4600, 0.2595,  
0.2515

32.5115, 0.2396,  
0.2211

51.9631, 0.2784,  
0.2796

25.0386, 0.2194,  
0.1894

64.0851, 0.2957,  
0.3049

18.9626, 0.1999,  
0.1577

77.8927, 0.3115,  
0.3272

14.1952, 0.1824,  
0.1279

93.4471, 0.3255,  
0.3468

10.6381, 0.1682,  
0.1021

98.4933, 0.3274,  
0.3532

■ 8.1783, 0.1582,  
0.0822

■ 6.7546, 0.1527,  
0.0697

# Harmonies

## Analogous

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



41.4600, 0.2320, 0.2582



41.4600, 0.2595, 0.2515



41.4600, 0.3028, 0.2625

# Triad

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



41.4600, 0.2595, 0.2515



41.4600, 0.4098, 0.3621



41.4600, 0.2707, 0.3752

# Complementary

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



41.4600, 0.2595, 0.2515



70.5609, 0.3622, 0.3961

# 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.



41.4600, 0.3165, 0.4096



41.4600, 0.2595, 0.2515



41.4600, 0.3982, 0.3964

# Square

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



41.4600, 0.2595, 0.2515



41.4600, 0.3929, 0.3234



41.4600, 0.3634, 0.4160



41.4600, 0.2378, 0.3269



# Rectangle

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



41.4600, 0.2595, 0.2515



41.4600, 0.3360, 0.2782



41.4600, 0.3634, 0.4160



41.4600, 0.2851, 0.3892

# Sweetspot

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



41.4616, 0.2595, 0.2515



83.9488, 0.2987, 0.3091



69.1067, 0.2742, 0.3417



17.4487, 0.2963, 0.3056



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.



41.4616, 0.2595, 0.2515



44.9709, 0.2469, 0.2324



40.7107, 0.2774, 0.2432



14.2105, 0.2980, 0.3081



3.9277, 0.1532, 0.0713



0.3938, 0.1591, 0.0928



# Inverse Universe

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



44.5074, 0.3727, 0.3177



49.6773, 0.3907, 0.3153



72.1049, 0.3407, 0.4109



14.4006, 0.3271, 0.3257



9.5942, 0.6210, 0.3195

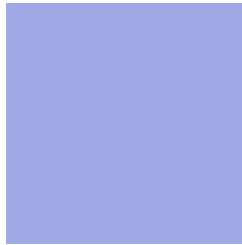


0.7194, 0.5868, 0.3006



# Previews

## White Background



This preview shows how the Yxy color 41.4600, 0.2595, 0.2515 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

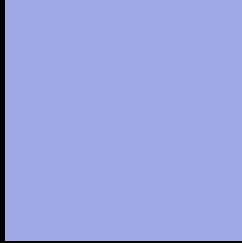
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.4600, 0.2595, 0.2515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

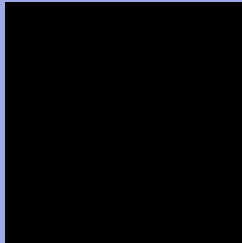
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.4600, 0.2595, 0.2515**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.4600, 0.2595, 0.2515.



This preview shows how white text looks on a background with the Yxy color 41.4600, 0.2595, 0.2515.

# 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

41.4600, 0.2595, 0.2515

### Protanopia

41.4875, 0.2562, 0.2512

### Deuteranopia

41.6307, 0.2582, 0.2525



## Tritanopia

41.3477, 0.2812, 0.3094

# Trichromacy



## Original Color

41.4600, 0.2595, 0.2515

## Protanomaly

41.5869, 0.2569, 0.2513

## Deuteranomaly

41.7317, 0.2589, 0.2527

## Tritanomaly

41.1649, 0.2727, 0.2857

# Monochromacy



## Original Color

41.4600, 0.2595, 0.2515

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

41.7249, 0.2917, 0.2995

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4600, 0.2595, 0.2515 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(159, 169, 230)` looks like.

```
.text, #text, p{  
    color:rgb(159, 169, 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(159, 169, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 169, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4600, 0.2595, 0.2515 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(159, 169, 230) }
```

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

```
.border{ border-color:rgb(159, 169, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 169, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 169, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 169, 230);  
box-shadow:4px 4px 4px 4px rgb(159, 169,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4600, 0.2595, 0.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 169, 230) }
```

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

```
.background{ background-color: rgb(159,  
169, 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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