

# Converting Colors

$Yxy(40.9137, 0.2746, 0.2435)$

Have a look what the booklet for  
Yxy(40.9137, 0.2746, 0.2435)  
contains.

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# Color

**Yxy(41.0830, 0.2745, 0.2440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5A1E7
RGB	181, 161, 231
RGB Percent	71%, 63%, 91%
CMY	0.2902, 0.3686, 0.0942
CMYK	0.22, 0.30, 0.00, 0.09
HSL	257°, 59%, 77%
HSV	257°, 30%, 91%
XYZ	46.2184, 41.0830, 81.0716
YIQ	174.9600, -10.5500, 26.0100

# Conversions

## Conversions Part 2

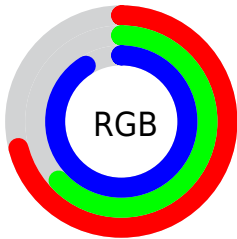
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 161, 231
Decimal	11903463
CIE <sub>Lab</sub>	70.23, 21.49, -32.59
CIE <sub>LCh</sub>	70, 39.038, 303.392
Yxy	41.0830, 0.2745, 0.2440
Android (android.graphics.Color)	4290093543 (0xFFB5A1E7)
YUV	174.9600, 27.6277, 5.2971
Hunter-Lab	64.0960, 16.5448, -30.1255

# Details

The Yxy color  $41.0830, 0.2745, 0.2440$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $73.5566, 0.3435, 0.4085$ , and the grayscale version is  $42.7065, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $74.5089, 0.3027, 0.2896$ , and  $18.5444, 0.2630, 0.2221$  is the 20% darker color. If you saturate the color by 10%, you get  $31.8652, 0.2586, 0.2118$ , and if you desaturate by 10%, it is  $52.0314, 0.2888, 0.2746$ .

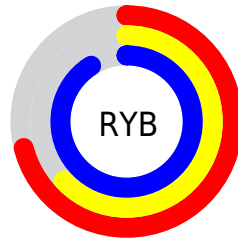
# Distribution



Red (71%)

Green (63%)

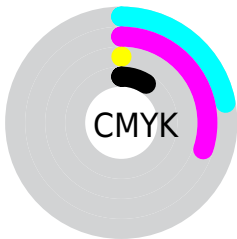
Blue (91%)



Red (71%)

Yellow (63%)

Blue (91%)

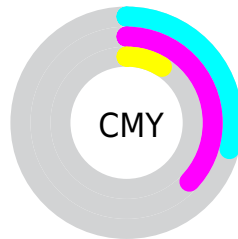


Cyan (22%)

Magenta (30%)

Yellow (0%)

Black (9%)



Cyan (29%)

Magenta (37%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0830, 0.2745, 0.2440 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 41.0830, 0.2745, 0.2440 by changing the saturation by 10% instead.



41.0830, 0.2745,  
0.2440

41.0830, 0.2745,  
0.2440

350.6674, 0.2943,  
0.2848

28.3839, 0.2694,  
0.2344

76.8099, 0.2818,  
0.2584

18.6153, 0.2629,  
0.2225

100.6065, 0.2845,  
0.2639

11.3926, 0.2542,  
0.2073

128.8711, 0.2868,  
0.2686

6.3316, 0.2421,  
0.1874

161.9880, 0.2887,  
0.2727

3.0477, 0.2244,  
0.1604

200.3417, 0.2904,  
0.2763

1.1567, 0.1966,  
0.1227

244.3166, 0.2919,

0.0259, 0.1525,

0.2795

0.0072

294.2970, 0.2932,  
0.2823

0.0000, 0.0000,  
0.0000

41.0830, 0.2745,  
0.2440

41.0830, 0.2745,  
0.2440

31.8652, 0.2586,  
0.2118

52.0314, 0.2888,  
0.2746

24.2825, 0.2415,  
0.1791

64.7892, 0.3015,  
0.3028

18.2379, 0.2239,  
0.1476

79.4362, 0.3124,  
0.3283

13.6215, 0.2066,  
0.1193

96.0460, 0.3218,  
0.3511

10.3083, 0.1908,  
0.0961

98.5478, 0.3268,  
0.3523

■ 8.1508, 0.1774,  
0.0795

■ 6.9241, 0.1673,  
0.0695

# Harmonies

## Analogous

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



41.0830, 0.2329, 0.2405



41.0830, 0.2745, 0.2440



41.0830, 0.3305, 0.2657

# Triad

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



41.0830, 0.2745, 0.2440



41.0830, 0.4230, 0.3878



41.0830, 0.2416, 0.3543

# Complementary

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



41.0830, 0.2745, 0.2440



73.5566, 0.3435, 0.4085

# 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.



41.0830, 0.2880, 0.4073



41.0830, 0.2745, 0.2440



41.0830, 0.3936, 0.4219

# Square

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



41.0830, 0.2745, 0.2440



41.0830, 0.4211, 0.3443



41.0830, 0.3437, 0.4323



41.0830, 0.2152, 0.2981



# Rectangle

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



41.0830, 0.2745, 0.2440



41.0830, 0.3688, 0.2881



41.0830, 0.3437, 0.4323



41.0830, 0.2552, 0.3737

# Sweetspot

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



41.0847, 0.2745, 0.2440



83.2430, 0.3029, 0.3061



60.0087, 0.2664, 0.3048



17.2771, 0.3012, 0.3022



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.



41.0847, 0.2745, 0.2440



44.3567, 0.2653, 0.2251



45.8328, 0.3033, 0.2508



14.0854, 0.3025, 0.3050



3.9373, 0.1686, 0.0703



0.3369, 0.1840, 0.0787



# Inverse Universe

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



47.1815, 0.3334, 0.2738



53.1709, 0.3386, 0.2629



68.9583, 0.3187, 0.4150



14.5414, 0.3181, 0.3124



11.0706, 0.4089, 0.2026

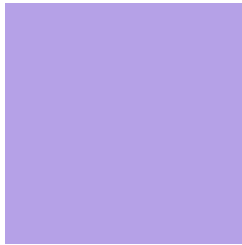


0.8339, 0.3931, 0.1939



# Previews

## White Background



This preview shows how the Yxy color 41.0830, 0.2745, 0.2440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

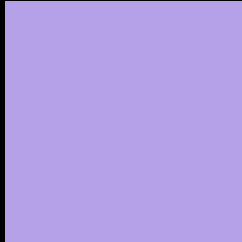
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.0830, 0.2745, 0.2440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

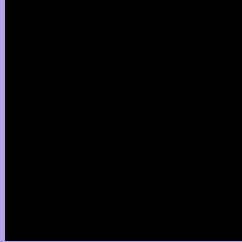
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.0830, 0.2745, 0.2440**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.0830, 0.2745, 0.2440.



This preview shows how white text looks on a background with the Yxy color 41.0830, 0.2745, 0.2440.

# 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

41.0830, 0.2745, 0.2440

### Protanopia

41.0697, 0.2497, 0.2428

### Deuteranopia

41.2012, 0.2586, 0.2523



## Tritanopia

40.9808, 0.3029, 0.3101

# Trichromacy



**Original Color**

41.0830, 0.2745, 0.2440

**Protanomaly**

40.9520, 0.2581, 0.2428

**Deuteranomaly**

41.0926, 0.2641, 0.2487

**Tritanomaly**

40.9684, 0.2920, 0.2846

# Monochromacy



**Original Color**

41.0830, 0.2745, 0.2440

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

42.0367, 0.2985, 0.2962

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0830, 0.2745, 0.2440 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(181, 161, 231)` looks like.

```
.text, #text, p{  
    color:rgb(181, 161, 231)  
}
```

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(181, 161, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 161, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0830, 0.2745, 0.2440 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(181, 161, 231) }
```

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

```
.border{ border-color:rgb(181, 161, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 161, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 161, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 161, 231);  
box-shadow:4px 4px 4px 4px rgb(181, 161,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0830, 0.2745, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 161, 231) }
```

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

```
.background{ background-color: rgb(181,  
161, 231) }
```

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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