

Converting Colors

$Yxy(41.6763, 0.2743, 0.2451)$

Have a look what the booklet for
Yxy(41.6763, 0.2743, 0.2451)
contains.

Yxy(41.4906, 0.2739, 0.2442)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.4906, 0.2739, 0.2442)

Conversions

Conversions Part 1

Format	Color
Hex	B5A2E8
RGB	181, 162, 232
RGB Percent	71%, 64%, 91%
CMY	0.2902, 0.3647, 0.0903
CMYK	0.22, 0.30, 0.00, 0.09
HSL	256°, 60%, 77%
HSV	256°, 30%, 91%
XYZ	46.5368, 41.4906, 81.8768
YIQ	175.6610, -11.1460, 25.7980

Conversions

Conversions Part 2

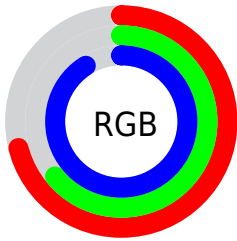
Format	Color
R _Y B	181, 162, 232
Decimal	11903720
CIE Lab	70.52, 21.16, -32.70
CIE LCh	71, 38.951, 302.906
Yxy	41.4906, 0.2739, 0.2442
Android (android.graphics.Color)	4290093800 (0xFFB5A2E8)
YUV	175.6610, 27.7751, 4.6823
Hunter-Lab	64.4132, 16.2382, -30.2754

Details

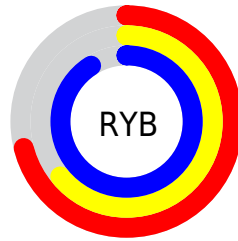
The Yxy color $41.4906, 0.2739, 0.2442$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $74.4500, 0.3441, 0.4079$, and the grayscale version is $43.0880, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0229, 0.3027, 0.2907$, and $18.7985, 0.2623, 0.2225$ is the 20% darker color. If you saturate the color by 10%, you get $32.1383, 0.2577, 0.2119$, and if you desaturate by 10%, it is $52.6016, 0.2885, 0.2749$.

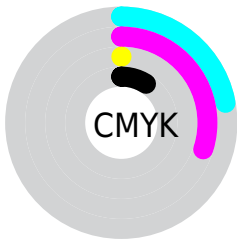
Distribution



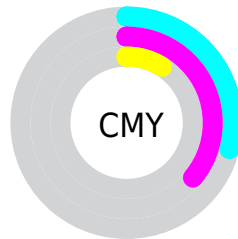
- Red (71%)
- Green (64%)
- Blue (91%)



- Red (71%)
- Yellow (64%)
- Blue (91%)



- Cyan (22%)
- Magenta (30%)
- Yellow (0%)
- Black (9%)



- Cyan (29%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4906, 0.2739, 0.2442 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 41.4906, 0.2739, 0.2442 by changing the saturation by 10% instead.

 41.4906, 0.2739,
0.2442


 41.4906, 0.2739,
0.2442


352.3669, 0.2939,
0.2848

 28.7026, 0.2688,
0.2347

 77.4281, 0.2813,
0.2585

 18.8560, 0.2622,
0.2228


 101.3464, 0.2840,
0.2640

 11.5663, 0.2535,
0.2077


129.7436, 0.2863,
0.2687

 6.4491, 0.2413,
0.1879

163.0041, 0.2883,
0.2728

 3.1200, 0.2236,
0.1611

201.5123, 0.2900,
0.2764

 1.1947, 0.1959,
0.1238

245.6525, 0.2915,

 0.0574, 0.1525,

0.2795

0.0153

295.8093, 0.2928,
0.2823

■ 0.0000, 0.0000,
0.0000

■ 41.4906, 0.2739,
0.2442

■ 41.4906, 0.2739,
0.2442

■ 32.1383, 0.2577,
0.2119

■ 52.6016, 0.2885,
0.2749

■ 24.4477, 0.2404,
0.1790

■ 65.5512, 0.3014,
0.3031

■ 18.3202, 0.2225,
0.1473

■ 80.4205, 0.3126,
0.3286

■ 13.6444, 0.2050,
0.1187

■ 97.2843, 0.3221,
0.3514

■ 10.2934, 0.1891,
0.0954

■ 98.6045, 0.3262,
0.3513

■ 8.1176, 0.1758,
0.0787

■ 6.8793, 0.1656,
0.0686

Harmonies

Analogous

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



41.4906, 0.2328, 0.2411



41.4906, 0.2739, 0.2442



41.4906, 0.3295, 0.2655

Triad

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



41.4906, 0.2739, 0.2442



41.4906, 0.4227, 0.3868



41.4906, 0.2426, 0.3552

Complementary

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



41.4906, 0.2739, 0.2442



74.4500, 0.3441, 0.4079

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.



41.4906, 0.2890, 0.4075



41.4906, 0.2739, 0.2442



41.4906, 0.3938, 0.4210

Square

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



41.4906, 0.2739, 0.2442



41.4906, 0.4201, 0.3435



41.4906, 0.3444, 0.4318



41.4906, 0.2159, 0.2992

Rectangle

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



41.4906, 0.2739, 0.2442



41.4906, 0.3677, 0.2877



41.4906, 0.3444, 0.4318



41.4906, 0.2562, 0.3743

Sweetspot

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



41.4923, 0.2739, 0.2442



83.1865, 0.3027, 0.3061



61.2541, 0.2668, 0.3064



17.2633, 0.3010, 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.



41.4923, 0.2739, 0.2442



44.1905, 0.2643, 0.2248



46.2145, 0.3023, 0.2509



14.0754, 0.3022, 0.3050



3.8734, 0.1670, 0.0694



0.3311, 0.1821, 0.0777

Inverse Universe

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



47.7992, 0.3324, 0.2730



53.2438, 0.3374, 0.2616



69.8102, 0.3194, 0.4144



14.5450, 0.3179, 0.3120



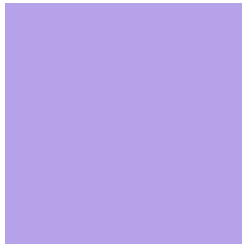
11.1378, 0.4037, 0.1998



0.8384, 0.3889, 0.1916

Previews

White Background



This preview shows how the Yxy color 41.4906, 0.2739, 0.2442 looks on a white background.

Color Contrast Check

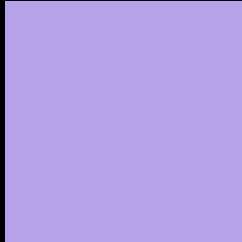
Large Text (above 18pt) WCAG AA × Fail

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 41.4906, 0.2739, 0.2442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

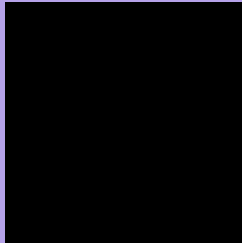
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4906, 0.2739, 0.2442

Background



This preview shows how black text looks on a background with the Yxy color 41.4906, 0.2739, 0.2442.



This preview shows how white text looks on a background with the Yxy color 41.4906, 0.2739, 0.2442.

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

41.4906, 0.2739, 0.2442

Protanopia

41.5979, 0.2500, 0.2432

Deuteranopia

41.6307, 0.2582, 0.2525



Tritanopia

41.3993, 0.3021, 0.3101

Trichromacy



Original Color

41.4906, 0.2739, 0.2442

Protanomaly

41.4801, 0.2583, 0.2432

Deuteranomaly

41.5139, 0.2636, 0.2489

Tritanomaly

41.3835, 0.2913, 0.2847

Monochromacy



Original Color

41.4906, 0.2739, 0.2442

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.5763, 0.2986, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4906, 0.2739, 0.2442 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, 162, 232)` looks like.

```
.text, #text, p{  
    color:rgb(181, 162, 232)  
}
```

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, 162, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 162, 232) }
```

Border

The CSS property to change the border of an element to Yxy 41.4906, 0.2739, 0.2442 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, 162, 232) }
```

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

```
.border{ border-color:rgb(181, 162, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 162, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 162, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 162, 232);  
box-shadow:4px 4px 4px 4px rgb(181, 162,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4906, 0.2739, 0.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 162, 232) }
```

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

```
.background{ background-color: rgb(181,  
162, 232) }
```

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