

Converting Colors

$Yxy(39.9682, 0.2772, 0.2467)$

Have a look what the booklet for
Yxy(39.9682, 0.2772, 0.2467)
contains.

| | |
|---|----|
| Yxy(39.9906, 0.2770, 0.2465) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(39.9906, 0.2770, 0.2465)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B49FE2 |
| RGB | 180, 159, 226 |
| RGB Percent | 71%, 62%, 89% |
| CMY | 0.2943, 0.3764, 0.1137 |
| CMYK | 0.20, 0.30, 0.00, 0.11 |
| HSL | 259°, 54%, 75% |
| HSV | 259°, 30%, 89% |
| XYZ | 44.9387, 39.9906, 77.3043 |
| YIQ | 172.9170, -8.9910, 25.2890 |

Conversions

Conversions Part 2

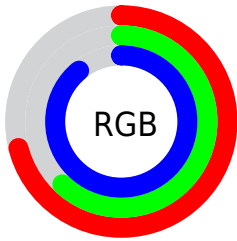
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 180, 159, 226 |
| Decimal | 11837410 |
| CIE _{Lab} | 69.46, 21.15, -31.07 |
| CIE _{LCh} | 69, 37.584, 304.239 |
| Yxy | 39.9906, 0.2770, 0.2465 |
| Android (android.graphics.Color) | 4290027490 (0xFFB49FE2) |
| YUV | 172.9170, 26.1699, 6.2118 |
| Hunter-Lab | 63.2381, 16.1802, -28.2113 |

Details

The Yxy color $39.9906, 0.2770, 0.2465$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $69.8896, 0.3415, 0.4069$, and the grayscale version is $41.6106, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.3177, 0.3020, 0.2875$, and $17.8533, 0.2662, 0.2250$ is the 20% darker color. If you saturate the color by 10%, you get $31.1545, 0.2618, 0.2147$, and if you desaturate by 10%, it is $50.4601, 0.2907, 0.2767$.

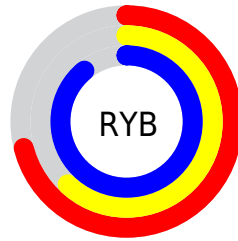
Distribution



Red (71%)

Green (62%)

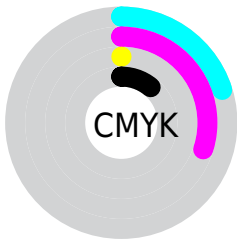
Blue (89%)



Red (71%)

Yellow (62%)

Blue (89%)

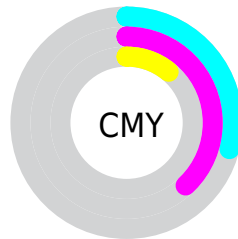


Cyan (20%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (29%)


Magenta (38%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9906, 0.2770, 0.2465 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 39.9906, 0.2770, 0.2465 by changing the saturation by 10% instead.


 39.9906, 0.2770,
0.2465


 39.9906, 0.2770,
0.2465


346.0840, 0.2956,
0.2863

 27.5312, 0.2722,
0.2371


 75.1492, 0.2839,
0.2606

 17.9726, 0.2660,
0.2253


 98.6172, 0.2865,
0.2660

 10.9303, 0.2576,
0.2102


126.5235, 0.2886,
0.2706

 6.0200, 0.2459,
0.1902

159.2526, 0.2904,
0.2746

 2.8572, 0.2284,
0.1629

197.1888, 0.2920,
0.2781

 1.0577, 0.2007,
0.1245

240.7165, 0.2934,


 0.0000, 0.1493,


0.2812


0.0000


290.2201, 0.2946,
0.2839

 0.0000, 0.0000,
0.0000

 39.9906, 0.2770,
0.2465


 39.9906, 0.2770,
0.2465


 31.1545, 0.2618,
0.2147


 50.4601, 0.2907,
0.2767


 23.8626, 0.2453,
0.1824


 62.6363, 0.3027,
0.3046


 18.0244, 0.2282,
0.1512

 76.5939, 0.3131,
0.3299

 13.5375, 0.2113,
0.1229

 92.4017, 0.3219,
0.3525

 10.2859, 0.1955,
0.0995

 98.2712, 0.3298,
0.3572

■ 8.1328, 0.1819,
0.0824

■ 6.8548, 0.1710,
0.0717

■ 6.8157, 0.1706,
0.0714

Harmonies

Analogous

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



39.9906, 0.2359, 0.2427



39.9906, 0.2770, 0.2465



39.9906, 0.3317, 0.2681

Triad

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



39.9906, 0.2770, 0.2465



39.9906, 0.4196, 0.3876



39.9906, 0.2425, 0.3521

Complementary

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



39.9906, 0.2770, 0.2465



69.8896, 0.3415, 0.4069

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.



39.9906, 0.2873, 0.4037



39.9906, 0.2770, 0.2465



39.9906, 0.3903, 0.4201

Square

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



39.9906, 0.2770, 0.2465



39.9906, 0.4185, 0.3453



39.9906, 0.3415, 0.4290



39.9906, 0.2173, 0.2978

Rectangle

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



39.9906, 0.2770, 0.2465



39.9906, 0.3687, 0.2903



39.9906, 0.3415, 0.4290



39.9906, 0.2556, 0.3708

Sweetspot

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



39.9922, 0.2770, 0.2465



83.3503, 0.3033, 0.3061



56.9637, 0.2673, 0.3040



17.3034, 0.3017, 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.



39.9922, 0.2770, 0.2465



44.6758, 0.2671, 0.2256



44.3829, 0.3045, 0.2528



13.4500, 0.3029, 0.3051



3.9438, 0.1721, 0.0721



0.3198, 0.1888, 0.0814

Inverse Universe

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



45.3852, 0.3344, 0.2770



53.0342, 0.3407, 0.2652



65.7172, 0.3178, 0.4130



13.8589, 0.3185, 0.3130



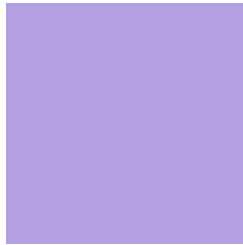
10.6044, 0.4189, 0.2081



0.7510, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 39.9906, 0.2770, 0.2465 looks on a white background.

Color Contrast Check

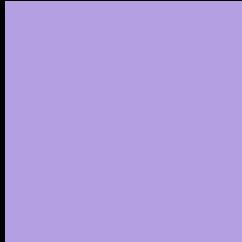
Large Text (above 18pt) WCAG AA × Fail

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 39.9906, 0.2770, 0.2465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

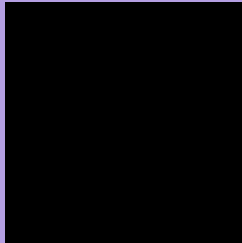
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9906, 0.2770, 0.2465

Background



This preview shows how black text looks on a background with the Yxy color 39.9906, 0.2770, 0.2465.



This preview shows how white text looks on a background with the Yxy color 39.9906, 0.2770, 0.2465.

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

39.9906, 0.2770, 0.2465

Protanopia

40.0429, 0.2523, 0.2455

Deuteranopia

40.0872, 0.2608, 0.2551



Tritanopia

40.1121, 0.3054, 0.3113

Trichromacy



Original Color

39.9906, 0.2770, 0.2465

Protanomaly

39.9455, 0.2609, 0.2455

Deuteranomaly

39.9865, 0.2664, 0.2513

Tritanomaly

40.0554, 0.2951, 0.2868

Monochromacy



Original Color

39.9906, 0.2770, 0.2465

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.0411, 0.3000, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9906, 0.2770, 0.2465 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(180, 159, 226)` looks like.

```
.text, #text, p{  
    color:rgb(180, 159, 226)  
}
```

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(180, 159, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 159, 226) }
```

Border

The CSS property to change the border of an element to Yxy 39.9906, 0.2770, 0.2465 is called "border". The border property can be set on classes, ids or directly on the HTML element.

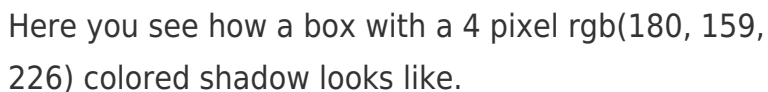
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 159, 226) }
```

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

```
.border{ border-color:rgb(180, 159, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 159, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 159, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 159, 226); box-shadow:4px 4px 4px 4px rgb(180, 159, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9906, 0.2770, 0.2465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 159, 226) }
```

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

```
.background{ background-color: rgb(180,  
159, 226) }
```

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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