

Converting Colors

$Y_{xy}(39.9575, 0.2539, 0.2452)$

Have a look what the booklet for
Yxy(39.9575, 0.2539, 0.2452)
contains.

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Color

Yxy(39.8709, 0.2535, 0.2445)

Conversions

Conversions Part 1

Format	Color
Hex	99A6E8
RGB	153, 166, 232
RGB Percent	60%, 65%, 91%
CMY	0.4000, 0.3490, 0.0902
CMYK	0.34, 0.28, 0.00, 0.09
HSL	230°, 63%, 75%
HSV	230°, 34%, 91%
XYZ	41.3385, 39.8709, 81.8617
YIQ	169.6370, -28.9340, 17.7700

Conversions

Conversions Part 2

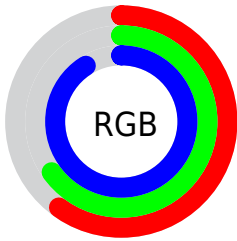
Format	Color
RYB	153, 164, 232
Decimal	10069736
CIELab	69.38, 10.82, -34.66
CIElCh	69, 36.308, 287.341
Yxy	39.8709, 0.2535, 0.2445
Android (android.graphics.Color)	4288259816 (0xFF99A6E8)
YUV	169.6370, 30.7450, -14.5906
Hunter-Lab	63.1434, 6.3589, -32.6656

Details

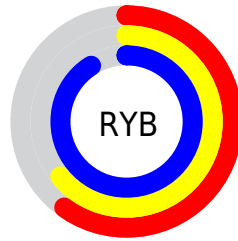
The Yxy color **39.8709, 0.2535, 0.2445** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.1199, 0.3683, 0.4012**, and the grayscale version is **39.8646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4882, 0.2835, 0.2928**, and **17.8219, 0.2365, 0.2218** is the 20% darker color. If you saturate the color by 10%, you get **31.3062, 0.2337, 0.2144**, and if you desaturate by 10%, it is **49.9395, 0.2726, 0.2725**.

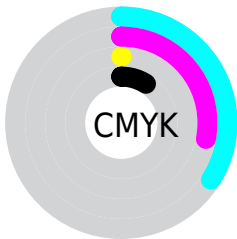
Distribution



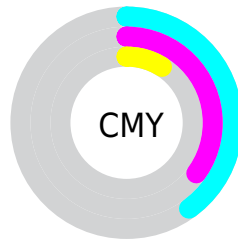
- Red (60%)
- Green (65%)
- Blue (91%)



- Red (60%)
- Yellow (64%)
- Blue (91%)



- Cyan (34%)
- Magenta (28%)
- Yellow (0%)
- Black (9%)



- Cyan (40%)
- Magenta (35%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8709, 0.2535, 0.2445 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 39.8709, 0.2535, 0.2445 by changing the saturation by 10% instead.

■ 39.8709, 0.2535,
0.2445

■ 39.8709, 0.2535,
0.2445

■ 345.5791, 0.2834,
0.2857

■ 27.4379, 0.2461,
0.2347

■ 74.9669, 0.2644,
0.2592

■ 17.9024, 0.2366,
0.2223

■ 98.3987, 0.2685,
0.2648

■ 10.8799, 0.2242,
0.2065

■ 126.2655, 0.2719,
0.2696

■ 5.9861, 0.2073,
0.1856

■ 158.9518, 0.2749,
0.2737

■ 2.8367, 0.1834,
0.1571

■ 196.8419, 0.2774,
0.2773

■ 1.0471, 0.1479,
0.1173

■ 240.3202, 0.2797,

■ 0.0000, 0.0600,

0.2804

0.0000

289.7712, 0.2817,
0.2832

0.0000, 0.0000,
0.0000

39.8709, 0.2535,
0.2445

39.8709, 0.2535,
0.2445

31.3062, 0.2337,
0.2144

49.9395, 0.2726,
0.2725

24.1680, 0.2138,
0.1832

61.5752, 0.2904,
0.2980

18.3785, 0.1951,
0.1525

74.8432, 0.3066,
0.3206

13.8508, 0.1786,
0.1239

89.8038, 0.3212,
0.3405

10.4872, 0.1657,
0.0995

98.6063, 0.3262,
0.3513

■ 8.1745, 0.1569,
0.0808

■ 7.2240, 0.1535,
0.0727

Harmonies

Analogous

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



39.8709, 0.2242, 0.2519



39.8709, 0.2535, 0.2445



39.8709, 0.3004, 0.2562

Triad

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



39.8709, 0.2535, 0.2445



39.8709, 0.4195, 0.3634



39.8709, 0.2674, 0.3812

Complementary

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



39.8709, 0.2535, 0.2445



70.1199, 0.3683, 0.4012

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.



39.8709, 0.3176, 0.4189



39.8709, 0.2535, 0.2445



39.8709, 0.4070, 0.4016

Square

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



39.8709, 0.2535, 0.2445



39.8709, 0.4002, 0.3214



39.8709, 0.3689, 0.4245



39.8709, 0.2314, 0.3275

Rectangle

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



39.8709, 0.2535, 0.2445



39.8709, 0.3369, 0.2729



39.8709, 0.3689, 0.4245



39.8709, 0.2832, 0.3967

Sweetspot

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



39.8724, 0.2535, 0.2445



82.6333, 0.2971, 0.3074



69.5927, 0.2713, 0.3449



17.2005, 0.2947, 0.3041



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.



39.8724, 0.2535, 0.2445



41.6249, 0.2393, 0.2231



38.2334, 0.2717, 0.2328



14.2684, 0.2980, 0.3087



4.1317, 0.1541, 0.0746



0.4212, 0.1606, 0.0983

Inverse Universe

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



42.6927, 0.3795, 0.3143



46.0309, 0.4006, 0.3112



73.0888, 0.3444, 0.4197



14.4065, 0.3267, 0.3252



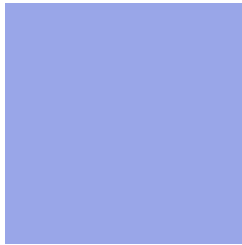
9.6148, 0.6157, 0.3166



0.7222, 0.5785, 0.2961

Previews

White Background



This preview shows how the Yxy color 39.8709, 0.2535, 0.2445 looks on a white background.

Color Contrast Check

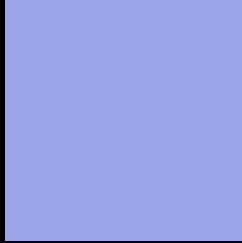
Large Text (above 18pt) WCAG AA × Fail

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 39.8709, 0.2535, 0.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

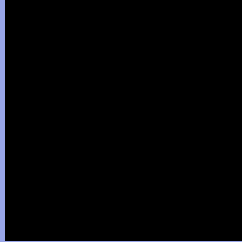
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8709, 0.2535, 0.2445

Background



This preview shows how black text looks on a background with the Yxy color 39.8709, 0.2535, 0.2445.



This preview shows how white text looks on a background with the Yxy color 39.8709, 0.2535, 0.2445.

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

39.8709, 0.2535, 0.2445

Protanopia

40.0047, 0.2510, 0.2443

Deuteranopia

39.9477, 0.2516, 0.2454



Tritanopia

39.7426, 0.2762, 0.3089

Trichromacy



Original Color

39.8709, 0.2535, 0.2445

Protanomaly

40.0999, 0.2517, 0.2444

Deuteranomaly

40.0429, 0.2523, 0.2455

Tritanomaly

39.6885, 0.2678, 0.2835

Monochromacy



Original Color

39.8709, 0.2535, 0.2445

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.1187, 0.2890, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8709, 0.2535, 0.2445 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(153, 166, 232)` looks like.

```
.text, #text, p{  
    color:rgb(153, 166, 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(153, 166, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 166, 232) }
```

Border

The CSS property to change the border of an element to Yxy 39.8709, 0.2535, 0.2445 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(153, 166, 232) }
```

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

```
.border{ border-color:rgb(153, 166, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 166, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 166, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 166, 232);  
box-shadow:4px 4px 4px 4px rgb(153, 166,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8709, 0.2535, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 166, 232) }
```

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

```
.background{ background-color: rgb(153,  
166, 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](#).

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