

Converting Colors

$Yxy(39.5245, 0.2432, 0.2478)$

Have a look what the booklet for
Yxy(39.5245, 0.2432, 0.2478)
contains.

| | |
|---|----|
| Yxy(39.3797, 0.2433, 0.2472) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(39.3797, 0.2433, 0.2472)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 88A9E7 |
| RGB | 136, 169, 231 |
| RGB Percent | 53%, 66%, 91% |
| CMY | 0.4669, 0.3372, 0.0941 |
| CMYK | 0.41, 0.27, 0.00, 0.09 |
| HSL | 219°, 66%, 72% |
| HSV | 219°, 41%, 91% |
| XYZ | 38.7584, 39.3797, 81.1649 |
| YIQ | 166.2010, -39.5700, 12.2860 |

Conversions

Conversions Part 2

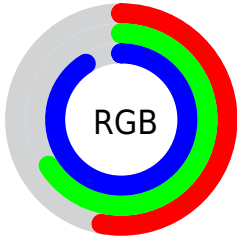
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 136, 160, 231 |
| Decimal | 8956391 |
| CIE Lab | 69.03, 4.29, -34.75 |
| CIE LCh | 69, 35.010, 277.035 |
| Yxy | 39.3797, 0.2433, 0.2472 |
| Android (android.graphics.Color) | 4287146471 (0xFF88A9E7) |
| YUV | 166.2010, 31.9459, -26.4863 |
| Hunter-Lab | 62.7532, 0.4291, -32.7582 |

Details

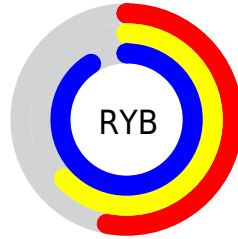
The Yxy color **39.3797, 0.2433, 0.2472** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **59.1243, 0.3881, 0.3985**, and the grayscale version is **38.0883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7378, 0.2733, 0.2951**, and **17.5671, 0.2240, 0.2250** is the 20% darker color. If you saturate the color by 10%, you get **32.3655, 0.2255, 0.2228**, and if you desaturate by 10%, it is **47.4594, 0.2612, 0.2701**.

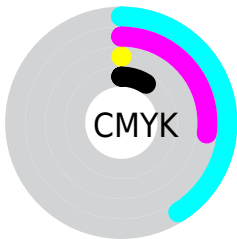
Distribution



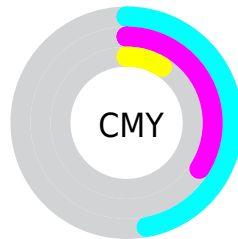
- Red (53%)
- Green (66%)
- Blue (91%)



- Red (53%)
- Yellow (63%)
- Blue (91%)



- Cyan (41%)
- Magenta (27%)
- Yellow (0%)
- Black (9%)



- Cyan (47%)
- Magenta (34%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3797, 0.2433, 0.2472 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 39.3797, 0.2433, 0.2472 by changing the saturation by 10% instead.

■ 39.3797, 0.2433,
0.2472

■ 39.3797, 0.2433,
0.2472

■ 343.5021, 0.2781,
0.2876

■ 27.0552, 0.2348,
0.2374

■ 74.2180, 0.2559,
0.2617

■ 17.6147, 0.2239,
0.2251

■ 97.5007, 0.2606,
0.2672

■ 10.6737, 0.2098,
0.2092

■ 125.2048, 0.2646,
0.2719

■ 5.8479, 0.1908,
0.1880

■ 157.7149, 0.2681,
0.2759

■ 2.7528, 0.1643,
0.1590

■ 195.4152, 0.2711,
0.2794

■ 1.0041, 0.1261,
0.1180

■ 238.6903, 0.2737,

■ 0.0000, 0.0007,

0.2825

0.0000

287.9245, 0.2760,
0.2852

0.0000, 0.0000,
0.0000

39.3797, 0.2433,
0.2472

39.3797, 0.2433,
0.2472

32.3655, 0.2255,
0.2228

47.4594, 0.2612,
0.2701

26.3634, 0.2086,
0.1976

56.6456, 0.2786,
0.2912

21.3218, 0.1932,
0.1724

66.9822, 0.2953,
0.3102

17.1814, 0.1802,
0.1483

78.5095, 0.3110,
0.3272

13.8748, 0.1702,
0.1263

91.2656, 0.3255,
0.3422

■ 11.5614, 0.1637,
0.1093

■ 98.5500, 0.3268,
0.3522

Harmonies

Analogous

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



39.3797, 0.2217, 0.2615



39.3797, 0.2433, 0.2472



39.3797, 0.2837, 0.2524

Triad

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



39.3797, 0.2433, 0.2472



39.3797, 0.4131, 0.3486



39.3797, 0.2847, 0.3948

Complementary

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



39.3797, 0.2433, 0.2472



59.1243, 0.3881, 0.3985

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.



39.3797, 0.3353, 0.4214



39.3797, 0.2433, 0.2472



39.3797, 0.4115, 0.3879

Square

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



39.3797, 0.2433, 0.2472



39.3797, 0.3846, 0.3083



39.3797, 0.3821, 0.4165



39.3797, 0.2437, 0.3458

Rectangle

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



39.3797, 0.2433, 0.2472



39.3797, 0.3178, 0.2653



39.3797, 0.3821, 0.4165



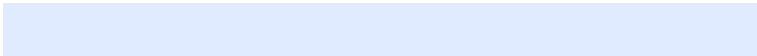
39.3797, 0.3011, 0.4070

Sweetspot

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



39.3812, 0.2433, 0.2472



82.5742, 0.2938, 0.3086



66.4508, 0.2733, 0.3715



17.2965, 0.2917, 0.3062



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.



39.3812, 0.2433, 0.2472



42.0570, 0.2289, 0.2275



29.8651, 0.2468, 0.2057



14.7031, 0.2981, 0.3132



6.6907, 0.1645, 0.1121



0.6633, 0.1726, 0.1414

Inverse Universe

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



37.4474, 0.3805, 0.2913



40.2759, 0.4011, 0.2843



73.6455, 0.3633, 0.4346



14.4504, 0.3238, 0.3209



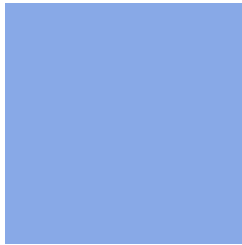
9.8731, 0.5579, 0.2847



0.7466, 0.5172, 0.2623

Previews

White Background



This preview shows how the Yxy color 39.3797, 0.2433, 0.2472 looks on a white background.

Color Contrast Check

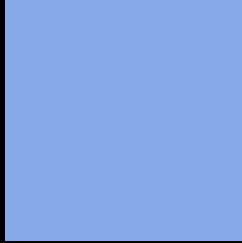
Large Text (above 18pt) WCAG AA × Fail

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 39.3797, 0.2433, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

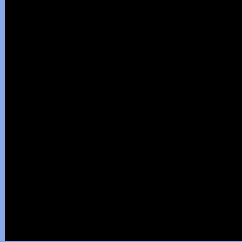
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

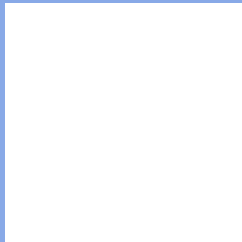
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.3797, 0.2433, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 39.3797, 0.2433, 0.2472.



This preview shows how white text looks on a background with the Yxy color 39.3797, 0.2433, 0.2472.

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

39.3797, 0.2433, 0.2472

Protanopia

39.4136, 0.2532, 0.2473

Deuteranopia

39.3945, 0.2500, 0.2437



Tritanopia

39.5658, 0.2617, 0.3084

Trichromacy



Original Color

39.3797, 0.2433, 0.2472

Protanomaly

39.3703, 0.2494, 0.2468

Deuteranomaly

39.3929, 0.2475, 0.2445

Tritanomaly

39.3955, 0.2544, 0.2837

Monochromacy



Original Color

39.3797, 0.2433, 0.2472

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.3237, 0.2837, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3797, 0.2433, 0.2472 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(136, 169, 231)` looks like.

```
.text, #text, p{  
    color:rgb(136, 169, 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(136, 169, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 169, 231) }
```

Border

The CSS property to change the border of an element to Yxy 39.3797, 0.2433, 0.2472 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(136, 169, 231) }
```

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

```
.border{ border-color:rgb(136, 169, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 169, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 169, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 169, 231); box-shadow:4px 4px 4px 4px rgb(136, 169, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3797, 0.2433, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 169, 231) }
```

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

```
.background{ background-color: rgb(136,  
169, 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](#).

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