

Converting Colors

$Y_{xy}(39.3895, 0.2312, 0.2185)$

Have a look what the booklet for
Yxy(39.3895, 0.2312, 0.2185)
contains.

Yxy(39.3844, 0.2312, 0.2185)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.3844, 0.2312, 0.2185)

Conversions

Conversions Part 1

Format	Color
Hex	89A5FE
RGB	137, 165, 254
RGB Percent	54%, 65%, 100%
CMY	0.4624, 0.3530, 0.0038
CMYK	0.46, 0.35, 0.00, 0.00
HSL	226°, 98%, 77%
HSV	226°, 46%, 100%
XYZ	41.6736, 39.3844, 99.1910
YIQ	166.7740, -45.2570, 21.7430

Conversions

Conversions Part 2

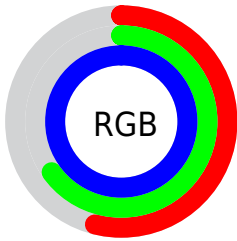
Format	Color
RYB	137, 160, 254
Decimal	9020926
CIELab	69.03, 13.35, -47.28
CIElCh	69, 49.126, 285.763
Yxy	39.3844, 0.2312, 0.2185
Android (android.graphics.Color)	4287211006 (0xFF89A5FE)
YUV	166.7740, 43.0024, -26.1118
Hunter-Lab	62.7570, 8.7076, -49.7813

Details

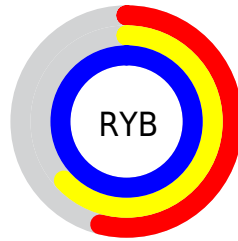
The Yxy color **39.3844, 0.2312, 0.2185** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **77.3460, 0.3931, 0.4186**, and the grayscale version is **38.3393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0085, 0.2747, 0.2907**, and **17.7281, 0.2094, 0.1921** is the 20% darker color. If you saturate the color by 10%, you get **31.0273, 0.2123, 0.1895**, and if you desaturate by 10%, it is **49.3049, 0.2504, 0.2464**.

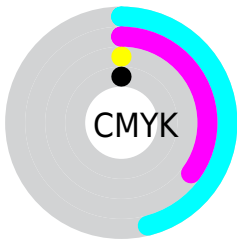
Distribution



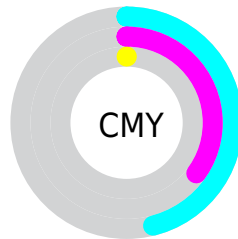
- Red (54%)
- Green (65%)
- Blue (100%)



- Red (54%)
- Yellow (63%)
- Blue (100%)



- Cyan (46%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3844, 0.2312, 0.2185 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 39.3844, 0.2312, 0.2185 by changing the saturation by 10% instead.

■ 39.3844, 0.2312,
0.2185

■ 39.3844, 0.2312,
0.2185

343.5220, 0.2717,
0.2712

■ 27.0589, 0.2215,
0.2064

■ 74.2252, 0.2457,
0.2369

■ 17.6175, 0.2093,
0.1915

■ 97.5093, 0.2512,
0.2441

■ 10.6757, 0.1937,
0.1729

125.2150, 0.2559,
0.2502

■ 5.8492, 0.1733,
0.1493

157.7267, 0.2600,
0.2555

■ 2.7536, 0.1460,
0.1191

195.4289, 0.2635,
0.2602

■ 1.0045, 0.1090,
0.0808

238.7059, 0.2666,

■ 0.0000, 0.0402,

0.2643

0.0000

287.9422, 0.2693,
0.2680

■ 0.0000, 0.0000,
0.0000

■ 39.3844, 0.2312,
0.2185

■ 39.3844, 0.2312,
0.2185

■ 31.0273, 0.2123,
0.1895

■ 49.3049, 0.2504,
0.2464

■ 24.1462, 0.1946,
0.1606

■ 60.8613, 0.2692,
0.2725

■ 18.6509, 0.1793,
0.1334

■ 74.1265, 0.2870,
0.2962

■ 14.4385, 0.1672,
0.1095

■ 89.1677, 0.3034,
0.3174

■ 11.3889, 0.1590,
0.0901

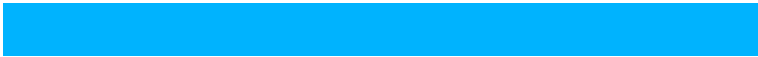
■ 99.9373, 0.3133,
0.3299

■ 10.4521, 0.1566,
0.0838

Harmonies

Analogous

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



39.3844, 0.1957, 0.2277



39.3844, 0.2312, 0.2185



39.3844, 0.2913, 0.2328

Triad

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



39.3844, 0.2312, 0.2185



39.3844, 0.4568, 0.3676



39.3844, 0.2537, 0.4053

Complementary

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



39.3844, 0.2312, 0.2185



77.3460, 0.3931, 0.4186

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.



39.3844, 0.3203, 0.4562



39.3844, 0.2312, 0.2185



39.3844, 0.4397, 0.4197

Square

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



39.3844, 0.2312, 0.2185



39.3844, 0.4294, 0.3139



39.3844, 0.3885, 0.4568



39.3844, 0.2065, 0.3287

Rectangle

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



39.3844, 0.2312, 0.2185



39.3844, 0.3404, 0.2534



39.3844, 0.3885, 0.4568



39.3844, 0.2746, 0.4271

Sweetspot

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



39.3858, 0.2312, 0.2185



77.7125, 0.2904, 0.3007



81.6491, 0.2641, 0.3634



15.9668, 0.2867, 0.2959



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.



39.3858, 0.2312, 0.2185



32.0928, 0.2142, 0.1925



33.2138, 0.2454, 0.1911



18.0811, 0.2979, 0.3103



5.6973, 0.1573, 0.0862



0.7149, 0.1630, 0.1067

Inverse Universe

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



41.7063, 0.4074, 0.3001



35.6092, 0.4373, 0.2955



88.6812, 0.3607, 0.4508



18.0581, 0.3257, 0.3234



11.3031, 0.5971, 0.3063



1.1167, 0.5659, 0.2891

Previews

White Background



This preview shows how the Yxy color 39.3844, 0.2312, 0.2185 looks on a white background.

Color Contrast Check

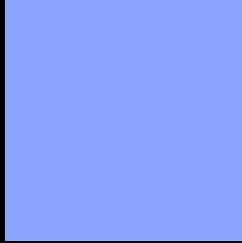
Large Text (above 18pt) WCAG AA × Fail

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 39.3844, 0.2312, 0.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

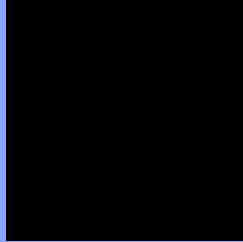
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3844, 0.2312, 0.2185

Background



This preview shows how black text looks on a background with the Yxy color 39.3844, 0.2312, 0.2185.



This preview shows how white text looks on a background with the Yxy color 39.3844, 0.2312, 0.2185.

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

39.3844, 0.2312, 0.2185

Protanopia

39.3844, 0.2312, 0.2185

Deuteranopia

39.3824, 0.2266, 0.2197



Tritanopia

39.5685, 0.2574, 0.3082

Trichromacy



Original Color

39.3844, 0.2312, 0.2185

Protanomaly

39.3844, 0.2312, 0.2185

Deuteranomaly

39.2535, 0.2280, 0.2189

Tritanomaly

39.2291, 0.2470, 0.2705

Monochromacy



Original Color

39.3844, 0.2312, 0.2185

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.4639, 0.2777, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3844, 0.2312, 0.2185 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(137, 165, 254)` looks like.

```
.text, #text, p{  
    color:rgb(137, 165, 254)  
}
```

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(137, 165, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 165, 254) }
```

Border

The CSS property to change the border of an element to Yxy 39.3844, 0.2312, 0.2185 is called "border". The border property can be set on classes, ids or directly on the HTML element.

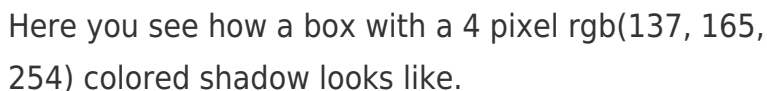
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 165, 254) }
```

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

```
.border{ border-color:rgb(137, 165, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 165, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 165, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 165, 254); box-shadow:4px 4px 4px 4px rgb(137, 165, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3844, 0.2312, 0.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 165, 254) }
```

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

```
.background{ background-color: rgb(137,  
165, 254) }
```

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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