

Converting Colors

$Y_{xy}(39.7705, 0.2074, 0.2371)$

Have a look what the booklet for
Yxy(39.7705, 0.2074, 0.2371)
contains.

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Color

Yxy(39.5846, 0.2073, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	40B2F6
RGB	64, 178, 246
RGB Percent	25%, 70%, 96%
CMY	0.7488, 0.3019, 0.0354
CMYK	0.74, 0.28, 0.00, 0.04
HSL	202°, 91%, 61%
HSV	202°, 74%, 96%
XYZ	34.6679, 39.5846, 92.9828
YIQ	151.6660, -89.7720, -3.0200

Conversions

Conversions Part 2

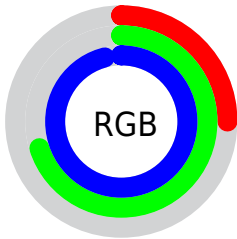
Format	Color
R _{YB}	64, 134, 246
Decimal	4240118
CIE Lab	69.17, -9.88, -42.90
CIE LCh	69, 44.021, 257.033
Yxy	39.5846, 0.2073, 0.2367
Android (android.graphics.Color)	4282430198 (0xFF40B2F6)
YUV	151.6660, 46.5067, -76.8831
Hunter-Lab	62.9163, -11.7472, -43.5822

Details

The Yxy color **39.5846, 0.2073, 0.2367** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **36.4670, 0.5070, 0.3919**, and the grayscale version is **31.0788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1340, 0.2451, 0.3043**, and **18.5958, 0.1933, 0.2160** is the 20% darker color. If you saturate the color by 10%, you get **35.3989, 0.1985, 0.2221**, and if you desaturate by 10%, it is **44.3814, 0.2181, 0.2513**.

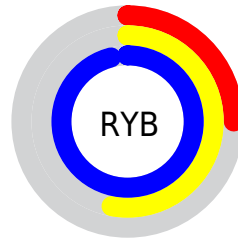
Distribution



Red (25%)

Green (70%)

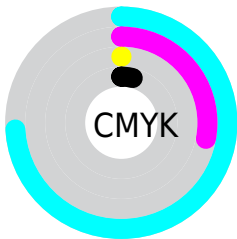
Blue (96%)



Red (25%)

Yellow (53%)

Blue (96%)

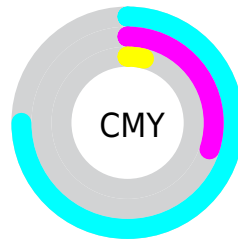


Cyan (74%)

Magenta (28%)

Yellow (0%)

Black (4%)



Cyan (75%)


Magenta (30%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5846, 0.2073, 0.2367 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 39.5846, 0.2073, 0.2367 by changing the saturation by 10% instead.


 39.5846, 0.2073,
0.2367


 39.5846, 0.2073,
0.2367


344.3696, 0.2584,
0.2828

 27.2148, 0.1954,
0.2256


 74.5305, 0.2253,
0.2533


 17.7346, 0.1806,
0.2116


 97.8755, 0.2323,
0.2596

 10.7596, 0.1621,
0.1937


 125.6476, 0.2382,
0.2649

 5.9054, 0.1384,
0.1702

 158.2313, 0.2433,
0.2695

 2.7877, 0.1079,
0.1390

196.0109, 0.2478,
0.2735

 1.0219, 0.0690,
0.0974

239.3709, 0.2518,

 0.0000, 0.0000,

0.2770

0.0000

288.6957, 0.2553,
0.2801

■ 39.5846, 0.2073,
0.2367

■ 39.5846, 0.2073,
0.2367

■ 35.3989, 0.1985,
0.2221

■ 44.3814, 0.2181,
0.2513

■ 31.7637, 0.1919,
0.2078

■ 49.8322, 0.2308,
0.2656

■ 29.7882, 0.1887,
0.1994

■ 55.9796, 0.2448,
0.2793

■ 62.8603, 0.2597,
0.2923

■ 70.5082, 0.2752,
0.3043

■ 78.9545, 0.2910,
0.3153

■ 88.2283, 0.3066,
0.3253

■ 97.2353, 0.3182,
0.3343

■ 99.4324, 0.3179,
0.3376

Harmonies

Analogous

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



39.5846, 0.1984, 0.2695



39.5846, 0.2073, 0.2367



39.5846, 0.2411, 0.2287

Triad

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



39.5846, 0.2073, 0.2367



39.5846, 0.4188, 0.3182



39.5846, 0.3179, 0.4405

Complementary

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



39.5846, 0.2073, 0.2367



36.4670, 0.5070, 0.3919

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.



39.5846, 0.3796, 0.4446



39.5846, 0.2073, 0.2367



39.5846, 0.4421, 0.3675

Square

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



39.5846, 0.2073, 0.2367



39.5846, 0.3630, 0.2741



39.5846, 0.4261, 0.4140



39.5846, 0.2579, 0.3940

Rectangle

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



39.5846, 0.2073, 0.2367



39.5846, 0.2761, 0.2356



39.5846, 0.4261, 0.4140



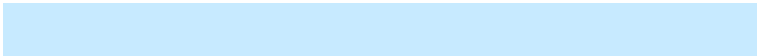
39.5846, 0.3391, 0.4468

Sweetspot

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



39.5859, 0.2073, 0.2367



78.2167, 0.2783, 0.3065



68.6210, 0.2789, 0.4890



16.2312, 0.2740, 0.3034



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.



39.5859, 0.2073, 0.2367



36.2945, 0.1948, 0.2146



14.7731, 0.1769, 0.1174



17.6565, 0.2980, 0.3199



16.1812, 0.1894, 0.2017



1.6190, 0.1943, 0.2194

Inverse Universe

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



26.4750, 0.4021, 0.2224



25.0030, 0.4280, 0.2187



72.0529, 0.4264, 0.4729



16.6571, 0.3195, 0.3143



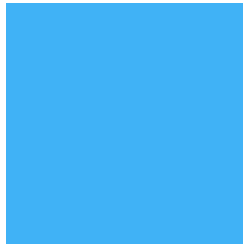
11.7329, 0.4434, 0.2216



1.0511, 0.4239, 0.2109

Previews

White Background



This preview shows how the Yxy color 39.5846, 0.2073, 0.2367 looks on a white background.

Color Contrast Check

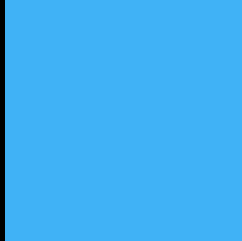
Large Text (above 18pt) WCAG AA × Fail

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 39.5846, 0.2073, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

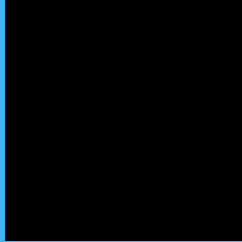
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

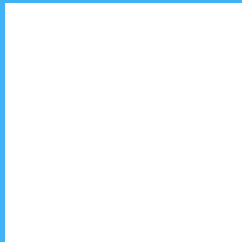
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.5846, 0.2073, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 39.5846, 0.2073, 0.2367.

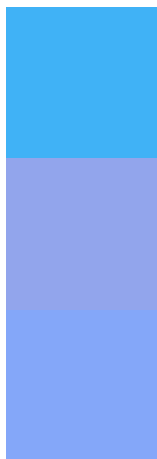


This preview shows how white text looks on a background with the Yxy color 39.5846, 0.2073, 0.2367.

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

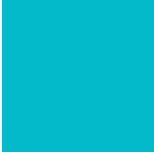
39.5846, 0.2073, 0.2367

Protanopia

39.0774, 0.2462, 0.2378

Deuteranopia

39.3825, 0.2312, 0.2252



Tritanopia

39.4014, 0.2179, 0.3039

Trichromacy



Original Color

39.5846, 0.2073, 0.2367

Protanomaly

38.7537, 0.2275, 0.2363

Deuteranomaly

39.0289, 0.2198, 0.2283

Tritanomaly

39.1356, 0.2120, 0.2767

Monochromacy



Original Color

39.5846, 0.2073, 0.2367

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.0280, 0.2582, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5846, 0.2073, 0.2367 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(64, 178, 246)` looks like.

```
.text, #text, p{  
    color:rgb(64, 178, 246)  
}
```

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(64, 178, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 178, 246) }
```

Border

The CSS property to change the border of an element to Yxy 39.5846, 0.2073, 0.2367 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(64, 178, 246) }
```

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

```
.border{ border-color:rgb(64, 178, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 178, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 178, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 178, 246);  
box-shadow:4px 4px 4px 4px rgb(64, 178,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5846, 0.2073, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 178, 246) }
```

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

```
.background{ background-color: rgb(64, 178,  
246) }
```

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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