

Converting Colors

$Y_{xy}(47.4500, 0.2093, 0.2539)$

Have a look what the booklet for
Yxy(47.4500, 0.2093, 0.2539)
contains.

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Color

Yxy(47.3839, 0.2094, 0.2541)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 37C4FD |
| RGB | 55, 196, 253 |
| RGB Percent | 22%, 77%, 99% |
| CMY | 0.7844, 0.2314, 0.0077 |
| CMYK | 0.78, 0.23, 0.00, 0.01 |
| HSL | 197°, 98%, 60% |
| HSV | 197°, 78%, 99% |
| XYZ | 39.0484, 47.3839, 100.0451 |
| YIQ | 160.3390, -102.3330, -12.1650 |

Conversions

Conversions Part 2

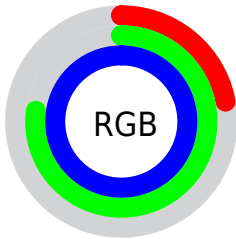
| Format | Color |
|-------------------------------------|--|
| RYB | 55, 137, 253 |
| Decimal | 3654909 |
| CIELab | 74.43, -18.11, -38.51 |
| CIELCh | 74, 42.557, 244.821 |
| Yxy | 47.3839, 0.2094, 0.2541 |
| Android (android.graphics.Color) | 4281844989 (0xFF37C4FD) |
| YUV | 160.3390, 45.6819, -92.3823 |
| Hunter-Lab | 68.8360, -19.2058, -37.9860 |

Details

The Yxy color **47.3839, 0.2094, 0.2541** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.7592, 0.5389, 0.3756**, and the grayscale version is **35.1389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2959, 0.2481, 0.3265**, and **23.3315, 0.1990, 0.2365** is the 20% darker color. If you saturate the color by 10%, you get **43.6368, 0.2028, 0.2431**, and if you desaturate by 10%, it is **51.6597, 0.2181, 0.2651**.

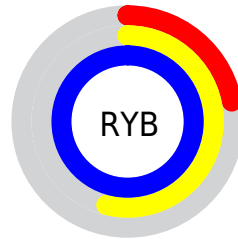
Distribution



Red (22%)

Green (77%)

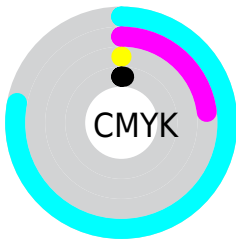
Blue (99%)



Red (22%)

Yellow (54%)

Blue (99%)

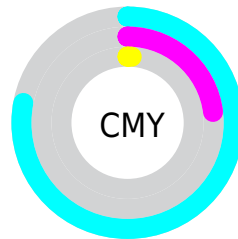


Cyan (78%)

Magenta (23%)

Yellow (0%)

Black (1%)



Cyan (78%)

Magenta (23%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3839, 0.2094, 0.2541 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 47.3839, 0.2094, 0.2541 by changing the saturation by 10% instead.

47.3839, 0.2094,
0.2541

47.3839, 0.2094,
0.2541

376.3448, 0.2581,
0.2915

33.3392, 0.1983,
0.2451

86.2864, 0.2263,
0.2675

22.3865, 0.1847,
0.2337

111.9130, 0.2329,
0.2726

14.1411, 0.1678,
0.2191

142.1691, 0.2386,
0.2769

8.2189, 0.1464,
0.1999

177.4390, 0.2435,
0.2807

4.2353, 0.1188,
0.1737

218.1071, 0.2479,
0.2839

1.8061, 0.0836,
0.1373

264.5578, 0.2517,

0.4909, 0.0041,

0.2867

0.0822

317.1756, 0.2551,
0.2892

■ 0.0000, 0.0000,
0.0000

■ 47.3839, 0.2094,
0.2541

■ 47.3839, 0.2094,
0.2541

■ 43.6368, 0.2028,
0.2431

■ 51.6597, 0.2181,
0.2651

■ 40.3431, 0.1981,
0.2323

■ 56.5107, 0.2287,
0.2760

■ 39.8022, 0.1973,
0.2304

■ 61.9823, 0.2410,
0.2866

■ 68.1131, 0.2546,
0.2967

■ 74.9382, 0.2692,
0.3061

■ 82.4896, 0.2844,
0.3149

■ 90.7970, 0.2999,
0.3229

■ 99.4268, 0.3139,
0.3302

■ 99.8741, 0.3138,
0.3309

Harmonies

Analogous

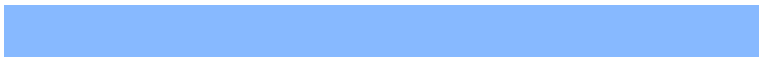
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.3839, 0.2110, 0.2942



47.3839, 0.2094, 0.2541



47.3839, 0.2316, 0.2371

Triad

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



47.3839, 0.2094, 0.2541



47.3839, 0.3913, 0.3020



47.3839, 0.3418, 0.4363

Complementary

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



47.3839, 0.2094, 0.2541



32.7592, 0.5389, 0.3756

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.



47.3839, 0.3943, 0.4265



47.3839, 0.2094, 0.2541



47.3839, 0.4263, 0.3467

Square

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



47.3839, 0.2094, 0.2541



47.3839, 0.3340, 0.2649



47.3839, 0.4264, 0.3915



47.3839, 0.2842, 0.4086

Rectangle

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



47.3839, 0.2094, 0.2541



47.3839, 0.2587, 0.2380



47.3839, 0.4264, 0.3915



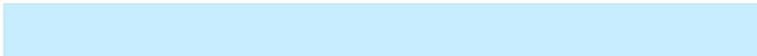
47.3839, 0.3607, 0.4368

Sweetspot

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



47.3855, 0.2094, 0.2541



80.2153, 0.2771, 0.3109



72.2349, 0.2853, 0.5206



16.5840, 0.2717, 0.3076



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.



47.3855, 0.2094, 0.2541



42.4282, 0.1999, 0.2368



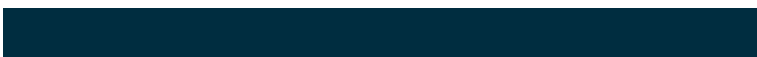
16.6227, 0.1750, 0.1229



19.5455, 0.2980, 0.3220



21.4291, 0.1978, 0.2322



2.2740, 0.2013, 0.2445

Inverse Universe

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



27.6062, 0.3861, 0.2056



25.1540, 0.4052, 0.2027



67.3203, 0.4439, 0.4648



18.2059, 0.3182, 0.3122



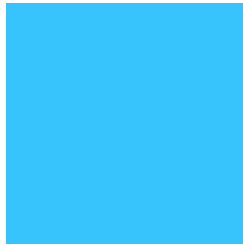
12.8912, 0.4104, 0.2034



1.2741, 0.3977, 0.1965

Previews

White Background



This preview shows how the Yxy color 47.3839, 0.2094, 0.2541 looks on a white background.

Color Contrast Check

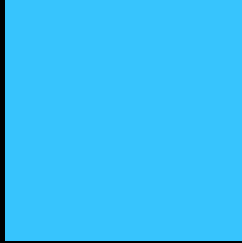
Large Text (above 18pt) WCAG AA × Fail

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 47.3839, 0.2094, 0.2541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

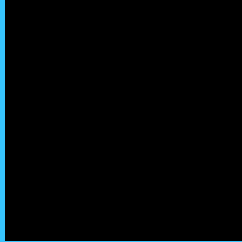
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

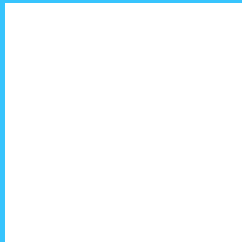
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3839, 0.2094, 0.2541

Background



This preview shows how black text looks on a background with the Yxy color 47.3839, 0.2094, 0.2541.



This preview shows how white text looks on a background with the Yxy color 47.3839, 0.2094, 0.2541.

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

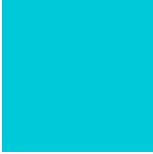
47.3839, 0.2094, 0.2541

Protanopia

46.5308, 0.2591, 0.2545

Deuteranopia

46.8311, 0.2445, 0.2391



Tritanopia

47.3030, 0.2182, 0.3057

Trichromacy



Original Color

47.3839, 0.2094, 0.2541



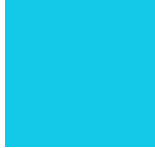
Protanomaly

45.6505, 0.2338, 0.2523



Deuteranomaly

46.1955, 0.2270, 0.2436



Tritanomaly

47.2268, 0.2138, 0.2855

Monochromacy



Original Color

47.3839, 0.2094, 0.2541



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.9198, 0.2570, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3839, 0.2094, 0.2541 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(55, 196, 253)` looks like.

```
.text, #text, p{  
    color:rgb(55, 196, 253)  
}
```

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(55, 196, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 196, 253) }
```

Border

The CSS property to change the border of an element to Yxy 47.3839, 0.2094, 0.2541 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(55, 196, 253) }
```

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

```
.border{ border-color:rgb(55, 196, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 196, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 196, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 196, 253);  
box-shadow:4px 4px 4px 4px rgb(55, 196,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3839, 0.2094, 0.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 196, 253) }
```

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

```
.background{ background-color: rgb(55, 196,  
253) }
```

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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