

Converting Colors

$Y_{xy}(36.0601, 0.1359, 0.2410)$

Have a look what the booklet for
Yxy(36.0601, 0.1359, 0.2410)
contains.

Yxy(43.9154, 0.2039, 0.2539)	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(43.9154, 0.2039, 0.2539)

Conversions

Conversions Part 1

Format	Color
Hex	01BFF6
RGB	1, 191, 246
RGB Percent	0%, 75%, 96%
CMY	0.9973, 0.2510, 0.0354
CMYK	1.00, 0.22, 0.00, 0.04
HSL	193°, 99%, 48%
HSV	193°, 100%, 96%
XYZ	35.2672, 43.9154, 93.7807
YIQ	140.4600, -130.8950, -23.1750

Conversions

Conversions Part 2

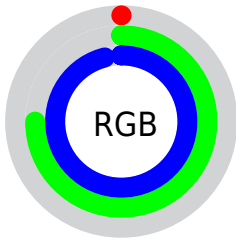
Format	Color
R_{YB}	1, 108, 246
Decimal	114678
CIE _{Lab}	72.17, -20.76, -38.27
CIE _{LCh}	72, 43.537, 241.522
Yxy	43.9154, 0.2039, 0.2539
Android (android.graphics.Color)	4278304758 (0xFF01BFF6)
YUV	140.4600, 52.0312, -122.3064
Hunter-Lab	66.2687, -20.9751, -37.5167

Details

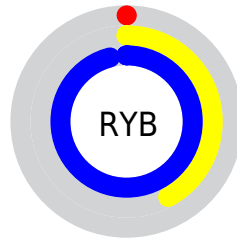
The Yxy color **43.9154, 0.2039, 0.2539** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **22.3851, 0.6151, 0.3495**, and the grayscale version is **26.2064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1863, 0.2400, 0.3194**, and **21.5654, 0.1991, 0.2369** is the 20% darker color. If you saturate the color by 10%, you get **43.8443, 0.2038, 0.2537**, and if you desaturate by 10%, it is **46.5728, 0.2076, 0.2621**.

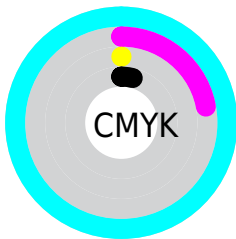
Distribution



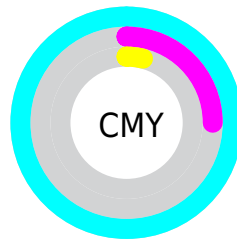
- Red (0%)
- Green (75%)
- Blue (96%)



- Red (0%)
- Yellow (42%)
- Blue (96%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (25%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9154, 0.2039, 0.2539 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 43.9154, 0.2039, 0.2539 by changing the saturation by 10% instead.

 43.9154, 0.2039,
0.2539

 43.9154, 0.2039,
0.2539


362.3629, 0.2557,
0.2921

 30.6040, 0.1920,
0.2445


 81.0904, 0.2220,
0.2677


 20.2975, 0.1775,
0.2326


 105.7228, 0.2290,
0.2729


 12.6115, 0.1593,
0.2172


 134.8977, 0.2350,
0.2774

 7.1616, 0.1362,
0.1966

 168.9995, 0.2402,
0.2811

 3.5633, 0.1067,
0.1683

 208.4125, 0.2448,
0.2844

 1.4324, 0.0696,
0.1288

253.5211, 0.2489,

 0.2404, 0.0000,

0.2873

0.0498

304.7098, 0.2525,
0.2898

■ 0.0000, 0.0000,
0.0000

■ 43.9154, 0.2039,
0.2539

■ 43.9154, 0.2039,
0.2539

■ 43.8443, 0.2038,
0.2537

■ 46.5728, 0.2076,
0.2621

■ 49.5791, 0.2131,
0.2705

■ 53.0129, 0.2206,
0.2788

■ 56.9223, 0.2300,
0.2871

■ 61.3478, 0.2411,
0.2952

■ 66.3250, 0.2538,
0.3029

■ 71.8860, 0.2677,
0.3103

■ 78.0599, 0.2824,
0.3171

■ 84.8739, 0.2977,
0.3234

Harmonies

Analogous

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



43.9154, 0.2083, 0.2982



43.9154, 0.2039, 0.2539



43.9154, 0.2243, 0.2338

Triad

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



43.9154, 0.2039, 0.2539



43.9154, 0.3893, 0.2959



43.9154, 0.3494, 0.4425

Complementary

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



43.9154, 0.2039, 0.2539



22.3851, 0.6151, 0.3495

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.



43.9154, 0.4029, 0.4278



43.9154, 0.2039, 0.2539



43.9154, 0.4295, 0.3417

Square

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



43.9154, 0.2039, 0.2539



43.9154, 0.3278, 0.2587



43.9154, 0.4336, 0.3889



43.9154, 0.2890, 0.4180

Rectangle

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



43.9154, 0.2039, 0.2539



43.9154, 0.2509, 0.2333



43.9154, 0.4336, 0.3889



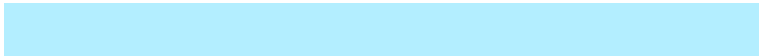
43.9154, 0.3688, 0.4414

Sweetspot

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



43.9169, 0.2039, 0.2539



77.8086, 0.2672, 0.3100



66.1621, 0.2942, 0.5791



16.0935, 0.2612, 0.3070



0.0000, 0.0000, 0.0000



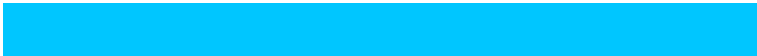
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.9169, 0.2039, 0.2539



47.5387, 0.2038, 0.2535



11.0607, 0.1594, 0.0936



18.0909, 0.2980, 0.3236



23.6283, 0.2042, 0.2550



2.2277, 0.2071, 0.2654

Inverse Universe

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



23.3638, 0.3884, 0.1914



25.3302, 0.3887, 0.1915



50.8262, 0.4811, 0.4561



16.7010, 0.3172, 0.3108



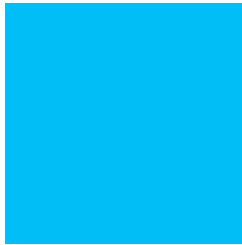
12.4847, 0.3873, 0.1907



1.1125, 0.3772, 0.1852

Previews

White Background



This preview shows how the Yxy color 43.9154, 0.2039, 0.2539 looks on a white background.

Color Contrast Check

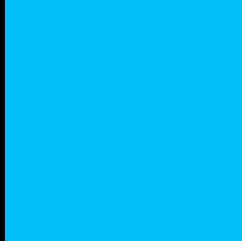
Large Text (above 18pt) WCAG AA × Fail

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 43.9154, 0.2039, 0.2539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

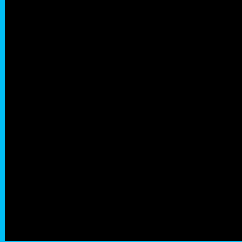
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9154, 0.2039, 0.2539

Background



This preview shows how black text looks on a background with the Yxy color 43.9154, 0.2039, 0.2539.

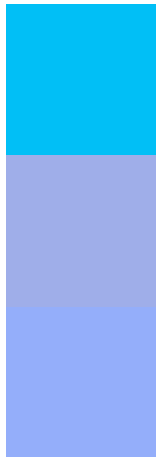


This preview shows how white text looks on a background with the Yxy color 43.9154, 0.2039, 0.2539.

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

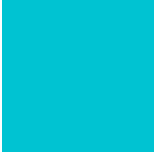
43.9219, 0.2039, 0.2539

Protanopia

43.5262, 0.2584, 0.2548

Deuteranopia

43.4701, 0.2417, 0.2355



Tritanopia

43.6834, 0.2184, 0.3063

Trichromacy



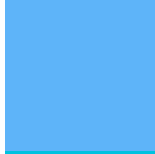
Original Color

43.9219, 0.2039, 0.2539



Protanomaly

41.5823, 0.2241, 0.2510



Deuteranomaly

41.8618, 0.2166, 0.2384



Tritanomaly

43.9113, 0.2130, 0.2868

Monochromacy



Original Color

43.9219, 0.2039, 0.2539



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.1748, 0.2417, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9154, 0.2039, 0.2539 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(1, 191, 246)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 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(1, 191, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 246) }
```

Border

The CSS property to change the border of an element to Yxy 43.9154, 0.2039, 0.2539 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(1, 191, 246) }
```

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

```
.border{ border-color:rgb(1, 191, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 246);  
box-shadow:4px 4px 4px 4px rgb(1, 191,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9154, 0.2039, 0.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 246) }
```

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

```
.background{ background-color: rgb(1, 191,  
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](#).

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