

# Converting Colors

Yxy(51.5120, 0.2100, 0.2644)

Have a look what the booklet for  
Yxy(51.5120, 0.2100, 0.2644)  
contains.

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# Color

**Yxy(51.3749, 0.2099, 0.2640)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 2ACDFF                        |
| RGB         | 42, 205, 255                  |
| RGB Percent | 16%, 80%, 100%                |
| CMY         | 0.8340, 0.1961, 0.0000        |
| CMYK        | 0.83, 0.20, 0.00, 0.00        |
| HSL         | 194°, 100%, 58%               |
| HSV         | 194°, 83%, 100%               |
| XYZ         | 40.8469, 51.3749, 102.3801    |
| YIQ         | 161.9630, -113.1980, -19.0060 |

# Conversions

## Conversions Part 2

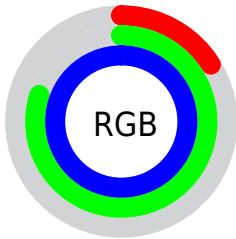
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| R <sub>Y</sub> B                    | 42, 134, 255                    |
| Decimal                             | 2805247                         |
| CIE Lab                             | 76.91, -23.13, -35.75           |
| CIE LCh                             | 77, 42.586, 237.096             |
| Yxy                                 | 51.3749, 0.2099,<br>0.2640      |
| Android<br>(android.graphics.Color) | 4280995327<br>(0xFF2ACDFF)      |
| YUV                                 | 161.9630, 45.8672,<br>-105.2076 |
| Hunter-Lab                          | 71.6763, -23.7098,<br>-34.5145  |

# Details

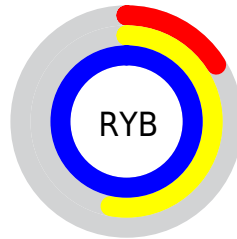
The Yxy color **51.3749, 0.2099, 0.2640** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **29.1437, 0.5682, 0.3638**, and the grayscale version is **35.9792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.1802, 0.2050, 0.2553**, and if you desaturate by 10%, it is **55.0236, 0.2168, 0.2729**.

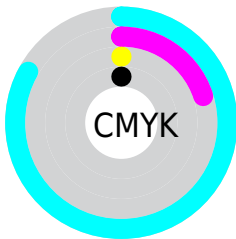
# Distribution



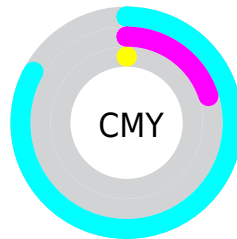
- Red (16%)
- Green (80%)
- Blue (100%)



- Red (16%)
- Yellow (53%)
- Blue (100%)



- Cyan (83%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (83%)
- Magenta (20%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3749, 0.2099, 0.2640 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 51.3749, 0.2099, 0.2640 by changing the saturation by 10% instead.




 51.3749, 0.2099,  
0.2640

 51.3749, 0.2099,  
0.2640

392.0186, 0.2578,  
0.2966


 36.5071, 0.1991,  
0.2561


 92.2087, 0.2264,  
0.2757

 24.8261, 0.1860,  
0.2461


 118.9434, 0.2329,  
0.2802

 15.9475, 0.1697,  
0.2333


 150.4026, 0.2385,  
0.2839

 9.4870, 0.1491,  
0.2162

 186.9706, 0.2433,  
0.2872

 5.0602, 0.1226,  
0.1927

229.0318, 0.2476,  
0.2900

 2.2826, 0.0888,  
0.1594

276.9706, 0.2514,

 0.7645, 0.0241,

0.2924

0.1137

331.1714, 0.2548,  
0.2946

0.0000, 0.0000,  
0.0000

51.3749, 0.2099,  
0.2640

51.3749, 0.2099,  
0.2640

48.1802, 0.2050,  
0.2553

55.0236, 0.2168,  
0.2729

46.2648, 0.2027,  
0.2495

59.1804, 0.2256,  
0.2817

63.8935, 0.2363,  
0.2903

69.2038, 0.2486,  
0.2986

75.1475, 0.2622,  
0.3065

81.7580, 0.2768,  
0.3139

89.0658, 0.2920,  
0.3208

97.0992, 0.3074,  
0.3270

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



51.3749, 0.2177, 0.3087



51.3749, 0.2099, 0.2640



51.3749, 0.2258, 0.2414

# Triad

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



51.3749, 0.2099, 0.2640



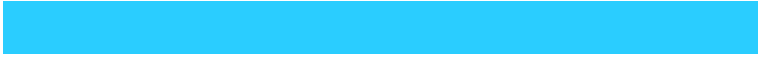
51.3749, 0.3762, 0.2924



51.3749, 0.3556, 0.4342

# Complementary

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



51.3749, 0.2099, 0.2640



29.1437, 0.5682, 0.3638

# 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.



51.3749, 0.4029, 0.4171



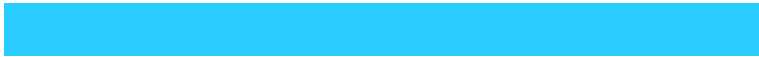
51.3749, 0.2099, 0.2640



51.3749, 0.4175, 0.3349

# Square

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



51.3749, 0.2099, 0.2640



51.3749, 0.3182, 0.2590



51.3749, 0.4269, 0.3795



51.3749, 0.2992, 0.4167



# Rectangle

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



51.3749, 0.2099, 0.2640



51.3749, 0.2488, 0.2387



51.3749, 0.4269, 0.3795



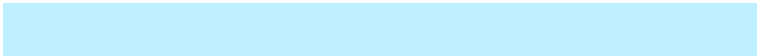
51.3749, 0.3731, 0.4318

# Sweetspot

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



51.3759, 0.2099, 0.2640



80.6538, 0.2744, 0.3128



72.7912, 0.2894, 0.5449



16.7577, 0.2693, 0.3102



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.



51.3759, 0.2099, 0.2640



46.2648, 0.2027, 0.2495



16.6512, 0.1718, 0.1218



19.7146, 0.2980, 0.3233



24.4151, 0.2031, 0.2510



2.5438, 0.2058, 0.2609



# Inverse Universe

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



27.3467, 0.3775, 0.1944



25.2016, 0.3927, 0.1937



61.9497, 0.4594, 0.4596



18.2230, 0.3174, 0.3110



13.1927, 0.3912, 0.1929

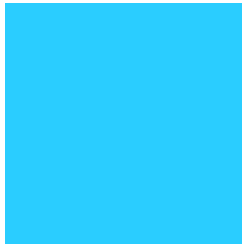


1.3013, 0.3815, 0.1875



# Previews

## White Background



This preview shows how the Yxy color 51.3749, 0.2099, 0.2640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

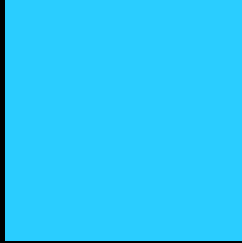
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.3749, 0.2099, 0.2640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

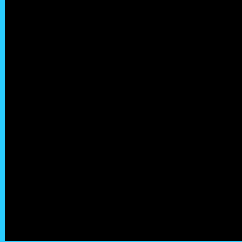
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.3749, 0.2099, 0.2640**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3749, 0.2099, 0.2640.



This preview shows how white text looks on a background with the Yxy color 51.3749, 0.2099, 0.2640.

# 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

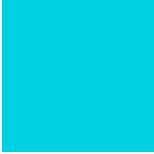
51.3749, 0.2099, 0.2640

### Protanopia

50.4674, 0.2656, 0.2633

### Deuteranopia

50.5533, 0.2530, 0.2481



## **Tritanopia**

51.0919, 0.2181, 0.3050

# Trichromacy



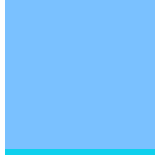
## Original Color

51.3749, 0.2099, 0.2640



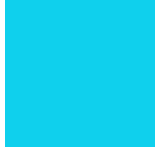
## Protanomaly

49.2294, 0.2358, 0.2620



## Deuteranomaly

49.4975, 0.2298, 0.2520



## Tritanomaly

51.3277, 0.2144, 0.2893

# Monochromacy



## Original Color

51.3749, 0.2099, 0.2640



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

39.6779, 0.2543, 0.3025

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3749, 0.2099, 0.2640 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(42, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 205, 255)  
}
```

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(42, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 205, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3749, 0.2099, 0.2640 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(42, 205, 255) }
```

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

```
.border{ border-color:rgb(42, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 205,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3749, 0.2099, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 205, 255) }
```

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

```
.background{ background-color: rgb(42, 205,  
255) }
```

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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