

# Converting Colors

$Yxy(79.4721, 0.2402, 0.3493)$

Have a look what the booklet for  
Yxy(79.4721, 0.2402, 0.3493)  
contains.

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# Color

**Yxy(79.4869, 0.2403, 0.3494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52FFEE
RGB	82, 255, 238
RGB Percent	32%, 100%, 93%
CMY	0.6786, 0.0000, 0.0667
CMYK	0.68, 0.00, 0.07, 0.00
HSL	174°, 100%, 66%
HSV	174°, 68%, 100%
XYZ	54.6671, 79.4869, 93.3414
YIQ	201.3350, -97.6510, -41.9630

# Conversions

## Conversions Part 2

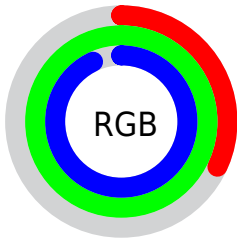
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 173, 255
Decimal	5439470
CIELab	91.45, -47.35, -4.73
CIElCh	91, 47.585, 185.700
Yxy	79.4869, 0.2403, 0.3494
Android (android.graphics.Color)	4283629550 (0xFF52FFEE)
YUV	201.3350, 18.0758, -104.6568
Hunter-Lab	89.1554, -46.5717, 0.3351

# Details

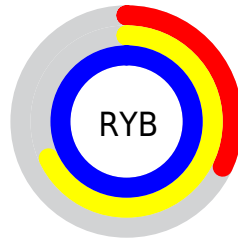
The Yxy color **79.4869, 0.2403, 0.3494** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **28.1871, 0.5197, 0.3150**, and the grayscale version is **58.5474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **43.3099, 0.2313, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **78.4000, 0.2362, 0.3528**, and if you desaturate by 10%, it is **80.9946, 0.2464, 0.3460**.

# Distribution



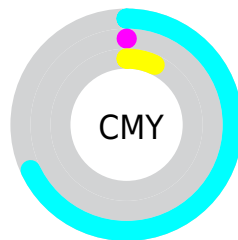
- Red (32%)
- Green (100%)
- Blue (93%)



- Red (32%)
- Yellow (68%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4869, 0.2403, 0.3494 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 79.4869, 0.2403, 0.3494 by changing the saturation by 10% instead.




 79.4869, 0.2403,  
0.3494

 79.4869, 0.2403,  
0.3494

493.2020, 0.2727,  
0.3407


 59.2962, 0.2332,  
0.3512


 132.6441, 0.2513,  
0.3465

 42.8516, 0.2245,  
0.3534


 166.3794, 0.2557,  
0.3454

 29.7687, 0.2138,  
0.3560


 205.3984, 0.2594,  
0.3443

 19.6631, 0.2002,  
0.3591

 250.0854, 0.2628,  
0.3434

 12.1504, 0.1825,  
0.3630

300.8249, 0.2657,  
0.3426

 6.8462, 0.1586,  
0.3676

358.0012, 0.2683,

 3.3661, 0.1251,

0.3419

421.9988, 0.2706,  
0.3413

0.3730

1.3257, 0.0150,  
0.4023

0.1610, 0.0000,  
0.2415

79.4869, 0.2403,  
0.3494

79.4869, 0.2403,  
0.3494

78.4000, 0.2362,  
0.3528

80.9946, 0.2464,  
0.3460

77.6924, 0.2340,  
0.3562


82.9737, 0.2544,  
0.3427


77.2948, 0.2334,  
0.3596

85.4586, 0.2642,  
0.3395

77.2295, 0.2334,  
0.3603

88.4825, 0.2755,  
0.3364

 92.0760, 0.2881,  
0.3335

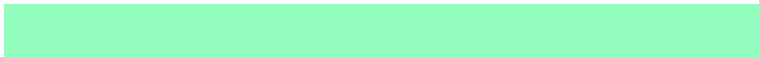
 96.2674, 0.3016,  
0.3309

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.



79.4869, 0.2846, 0.4022



79.4869, 0.2403, 0.3494



79.4869, 0.2161, 0.2952

# Triad

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



79.4869, 0.2403, 0.3494



79.4869, 0.2792, 0.2467



79.4869, 0.4195, 0.3898

# Complementary

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



79.4869, 0.2403, 0.3494



28.1871, 0.5197, 0.3150

# 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.



79.4869, 0.4200, 0.3475



79.4869, 0.2403, 0.3494



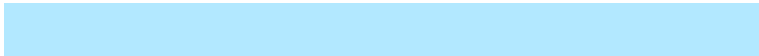
79.4869, 0.3346, 0.2692

# Square

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



79.4869, 0.2403, 0.3494



79.4869, 0.2370, 0.2418



79.4869, 0.3880, 0.3048

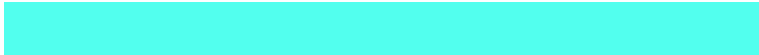


79.4869, 0.3888, 0.4218



# Rectangle

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



79.4869, 0.2403, 0.3494



79.4869, 0.2128, 0.2678



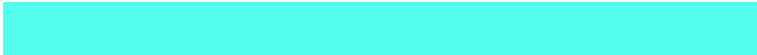
79.4869, 0.3880, 0.3048



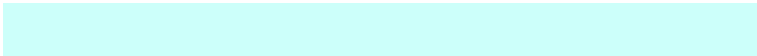
79.4869, 0.4234, 0.3763

# Sweetspot

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



79.4841, 0.2403, 0.3494



91.2587, 0.2853, 0.3341



74.7955, 0.3089, 0.5443



19.3118, 0.2817, 0.3349



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.



79.4841, 0.2403, 0.3494



78.1401, 0.2353, 0.3539



44.0368, 0.2120, 0.2392



20.4489, 0.2993, 0.3313



40.3667, 0.2333, 0.3597



3.9389, 0.2322, 0.3559



# Inverse Universe

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



28.1871, 0.5197, 0.3150



23.8375, 0.5775, 0.3173



44.0564, 0.4828, 0.3949



18.0161, 0.3279, 0.3267



11.1551, 0.6291, 0.3239

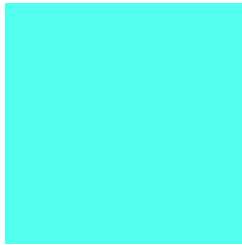


1.0954, 0.6081, 0.3124



# Previews

## White Background



This preview shows how the Yxy color 79.4869, 0.2403, 0.3494 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

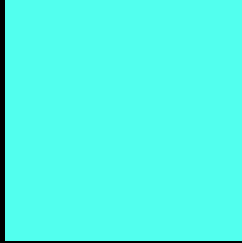
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.4869, 0.2403, 0.3494 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

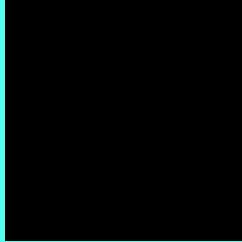
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.4869, 0.2403, 0.3494**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.4869, 0.2403, 0.3494.

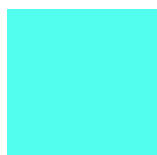


This preview shows how white text looks on a background with the Yxy color 79.4869, 0.2403, 0.3494.

# Color Blindness Simulation

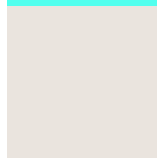
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



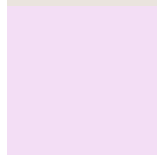
### Original Color

79.4869, 0.2403, 0.3494



### Protanopia

78.2532, 0.3208, 0.3353



### Deuteranopia

77.8898, 0.3124, 0.3058



## Tritanopia

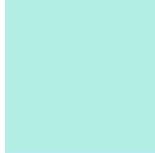
78.7236, 0.2609, 0.3144

# Trichromacy



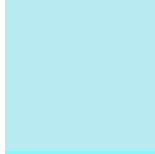
## Original Color

79.4869, 0.2403, 0.3494



## Protanomaly

76.3342, 0.2816, 0.3403



## Deuteranomaly

75.4468, 0.2766, 0.3200



## Tritanomaly

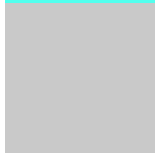
78.5120, 0.2510, 0.3265

# Monochromacy



## Original Color

79.4869, 0.2403, 0.3494



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

63.8370, 0.2754, 0.3375

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.4869, 0.2403, 0.3494 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(82, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(82, 255, 238)  
}
```

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(82, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 79.4869, 0.2403, 0.3494 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(82, 255, 238) }
```

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

```
.border{ border-color:rgb(82, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.4869, 0.2403, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 238) }
```

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

```
.background{ background-color: rgb(82, 255,  
238) }
```

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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