

# Converting Colors

$Y_{xy}(79.4839, 0.2375, 0.3446)$

Have a look what the booklet for  
Yxy(79.4839, 0.2375, 0.3446)  
contains.

<b>Yxy(79.4673, 0.2374, 0.3445)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(79.4673, 0.2374, 0.3445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CFFF2
RGB	76, 255, 242
RGB Percent	30%, 100%, 95%
CMY	0.7022, 0.0000, 0.0510
CMYK	0.70, 0.00, 0.05, 0.00
HSL	176°, 100%, 65%
HSV	176°, 70%, 100%
XYZ	54.7621, 79.4673, 96.4449
YIQ	199.9970, -102.5110, -41.9910

# Conversions

## Conversions Part 2

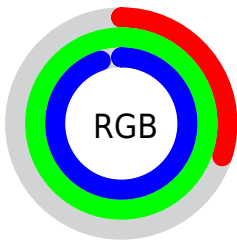
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 169, 255
Decimal	5046258
CIELab	91.45, -47.07, -6.82
CIELCh	91, 47.564, 188.249
Yxy	79.4673, 0.2374, 0.3445
Android (android.graphics.Color)	4283236338 (0xFF4CFF2)
YUV	199.9970, 20.7075, -108.7454
Hunter-Lab	89.1444, -46.3489, -1.7445

# Details

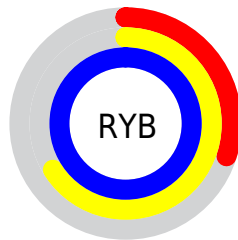
The Yxy color **79.4673, 0.2374, 0.3445** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.1425, 0.5365, 0.3192**, and the grayscale version is **57.6631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **43.4777, 0.2295, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **78.5088, 0.2336, 0.3470**, and if you desaturate by 10%, it is **80.8346, 0.2432, 0.3420**.

# Distribution



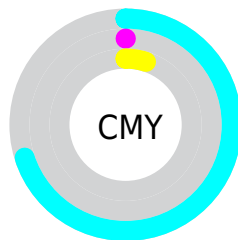
- Red (30%)
- Green (100%)
- Blue (95%)



- Red (30%)
- Yellow (66%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4673, 0.2374, 0.3445 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 79.4673, 0.2374, 0.3445 by changing the saturation by 10% instead.





 79.4673, 0.2374,  
0.3445

 79.4673, 0.2374,  
0.3445


493.1358, 0.2710,  
0.3382


 59.2801, 0.2301,  
0.3457


 132.6165, 0.2488,  
0.3425

 42.8386, 0.2211,  
0.3472

 166.3473, 0.2533,  
0.3416

 29.7585, 0.2101,  
0.3488


 205.3615, 0.2572,  
0.3409

 19.6554, 0.1962,  
0.3507

 250.0433, 0.2607,  
0.3402

 12.1448, 0.1781,  
0.3528

300.7773, 0.2637,  
0.3396

 6.8424, 0.1539,  
0.3548

357.9477, 0.2664,

 3.3637, 0.1202,

0.3391

421.9391, 0.2688,  
0.3386

0.3559

1.3244, 0.0156,  
0.3741

0.1600, 0.0000,  
0.1972

79.4673, 0.2374,  
0.3445

79.4673, 0.2374,  
0.3445

78.5088, 0.2336,  
0.3470

80.8346, 0.2432,  
0.3420

77.9155, 0.2316,  
0.3494


82.6631, 0.2510,  
0.3396

77.6033, 0.2311,  
0.3518

84.9880, 0.2605,  
0.3372

87.8435, 0.2717,  
0.3349

 91.2607, 0.2843,  
0.3328

 95.2683, 0.2980,  
0.3308

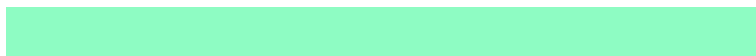
99.8931, 0.3124,  
0.3290

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.



79.4673, 0.2803, 0.3984



79.4673, 0.2374, 0.3445



79.4673, 0.2151, 0.2912

# Triad

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



79.4673, 0.2374, 0.3445



79.4673, 0.2836, 0.2480



79.4673, 0.4179, 0.3931

# Complementary

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



79.4673, 0.2374, 0.3445



27.1425, 0.5365, 0.3192

# 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.



79.4673, 0.4213, 0.3512



79.4673, 0.2374, 0.3445



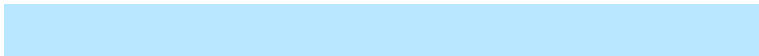
79.4673, 0.3395, 0.2718

# Square

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



79.4673, 0.2374, 0.3445



79.4673, 0.2398, 0.2415



79.4673, 0.3918, 0.3083



79.4673, 0.3850, 0.4236



# Rectangle

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



79.4673, 0.2374, 0.3445



79.4673, 0.2132, 0.2650



79.4673, 0.3918, 0.3083



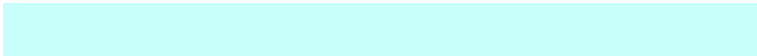
79.4673, 0.4227, 0.3798

# Sweetspot

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



79.4644, 0.2374, 0.3445



90.9718, 0.2833, 0.3330



74.2587, 0.3073, 0.5517



19.2601, 0.2797, 0.3336



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.



79.4644, 0.2374, 0.3445



78.2449, 0.2326, 0.3479



41.5569, 0.2083, 0.2313



20.4573, 0.2990, 0.3307



40.5590, 0.2310, 0.3514



3.9556, 0.2302, 0.3486



# Inverse Universe

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



27.1425, 0.5365, 0.3192



23.1212, 0.5948, 0.3217



43.7710, 0.4878, 0.3988



18.0085, 0.3283, 0.3273



11.1402, 0.6326, 0.3258

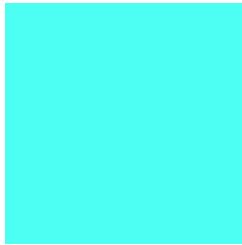


1.0918, 0.6160, 0.3167



# Previews

## White Background



This preview shows how the Yxy color 79.4673, 0.2374, 0.3445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

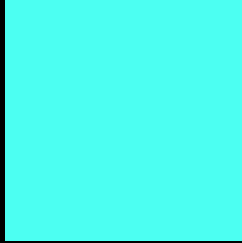
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.4673, 0.2374, 0.3445 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 79.4673, 0.2374, 0.3445**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.4673, 0.2374, 0.3445.

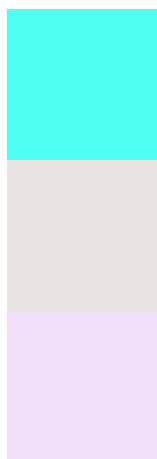


This preview shows how white text looks on a background with the Yxy color 79.4673, 0.2374, 0.3445.

# 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

79.4673, 0.2374, 0.3445

### Protanopia

77.7528, 0.3175, 0.3301

### Deuteranopia

77.7829, 0.3085, 0.3018



## Tritanopia

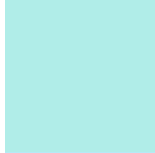
78.6168, 0.2604, 0.3144

# Trichromacy



## Original Color

79.4673, 0.2374, 0.3445



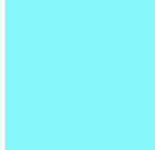
## Protanomaly

75.6247, 0.2777, 0.3346



## Deuteranomaly

75.3232, 0.2727, 0.3155



## Tritanomaly

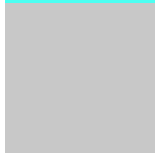
78.3292, 0.2493, 0.3253

# Monochromacy



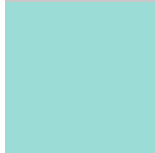
## Original Color

79.4673, 0.2374, 0.3445



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

63.0613, 0.2730, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.4673, 0.2374, 0.3445 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(76, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 242)  
}
```

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(76, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 79.4673, 0.2374, 0.3445 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(76, 255, 242) }
```

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

```
.border{ border-color:rgb(76, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.4673, 0.2374, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 242) }
```

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

```
.background{ background-color: rgb(76, 255,  
242) }
```

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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