

# Converting Colors

$Y_{xy}(79.1896, 0.2297, 0.3334)$

Have a look what the booklet for  
Yxy(79.1896, 0.2297, 0.3334)  
contains.

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# Color

**Yxy(79.1888, 0.2297, 0.3336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FFFB
RGB	51, 255, 251
RGB Percent	20%, 100%, 98%
CMY	0.8010, 0.0000, 0.0158
CMYK	0.80, 0.00, 0.02, 0.00
HSL	179°, 100%, 60%
HSV	179°, 80%, 100%
XYZ	54.5254, 79.1888, 103.6623
YIQ	193.5480, -120.3000, -44.4920

# Conversions

## Conversions Part 2

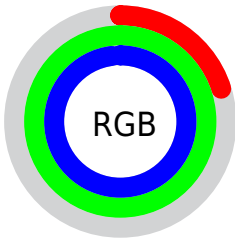
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 154, 255
Decimal	3407867
CIELab	91.32, -47.13, -11.72
CIELCh	91, 48.565, 193.961
Yxy	79.1888, 0.2297, 0.3336
Android (android.graphics.Color)	4281597947 (0xFF33FFFB)
YUV	193.5480, 28.3238, -125.0146
Hunter-Lab	88.9881, -46.3574, -6.7753

# Details

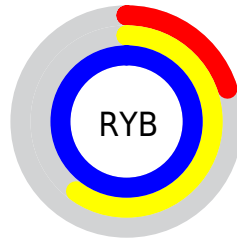
The Yxy color **79.1888, 0.2297, 0.3336** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.8794, 0.5912, 0.3276**, and the grayscale version is **53.5027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **43.8726, 0.2255, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **78.6622, 0.2273, 0.3342**, and if you desaturate by 10%, it is **80.0623, 0.2339, 0.3329**.

# Distribution



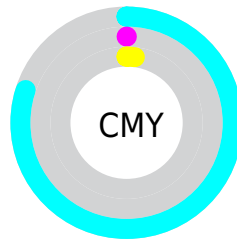
- Red (20%)
- Green (100%)
- Blue (98%)



- Red (20%)
- Yellow (60%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1888, 0.2297, 0.3336 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 79.1888, 0.2297, 0.3336 by changing the saturation by 10% instead.




 79.1888, 0.2297,  
0.3336


 79.1888, 0.2297,  
0.3336


492.1948, 0.2665,  
0.3326


 59.0511, 0.2217,  
0.3336


 132.2246, 0.2421,  
0.3335

 42.6542, 0.2121,  
0.3334


 165.8915, 0.2470,  
0.3334

 29.6139, 0.2003,  
0.3329


 204.8368, 0.2513,  
0.3333

 19.5457, 0.1855,  
0.3321

 249.4451, 0.2551,  
0.3331

 12.0653, 0.1664,  
0.3303

300.1006, 0.2584,  
0.3330

 6.7881, 0.1412,  
0.3267

357.1878, 0.2614,

 3.3300, 0.1072,

0.3329

0.3190

421.0911, 0.2641,  
0.3328

■ 1.3063, 0.0099,  
0.3173

■ 0.1461, 0.0000,  
0.1299

■ 79.1888, 0.2297,  
0.3336

■ 79.1888, 0.2297,  
0.3336

■ 78.6622, 0.2273,  
0.3342

■ 80.0623, 0.2339,  
0.3329

■ 78.4212, 0.2264,  
0.3348

■ 81.3575, 0.2401,  
0.3323

■ 83.1104, 0.2482,  
0.3317

■ 85.3591, 0.2582,  
0.3311

■ 88.1376, 0.2699,  
0.3305

■ 91.4772, 0.2831,  
0.3300

■ 95.4064, 0.2974,  
0.3295

■ 99.9521, 0.3126,  
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.



79.1888, 0.2699, 0.3907



79.1888, 0.2297, 0.3336



79.1888, 0.2115, 0.2817

# Triad

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



79.1888, 0.2297, 0.3336



79.1888, 0.2932, 0.2498



79.1888, 0.4158, 0.4015

# Complementary

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



79.1888, 0.2297, 0.3336



23.8794, 0.5912, 0.3276

# 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.



79.1888, 0.4257, 0.3599



79.1888, 0.2297, 0.3336



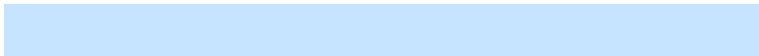
79.1888, 0.3512, 0.2769

# Square

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



79.1888, 0.2297, 0.3336



79.1888, 0.2454, 0.2395



79.1888, 0.4016, 0.3158



79.1888, 0.3776, 0.4290



# Rectangle

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



79.1888, 0.2297, 0.3336



79.1888, 0.2126, 0.2577



79.1888, 0.4016, 0.3158



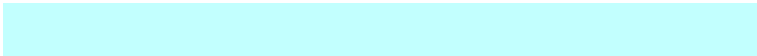
79.1888, 0.4227, 0.3885

# Sweetspot

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



79.1813, 0.2297, 0.3336



90.1056, 0.2778, 0.3302



72.6431, 0.3026, 0.5773



19.0347, 0.2731, 0.3304



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.



79.1813, 0.2297, 0.3336



78.4996, 0.2266, 0.3346



32.9491, 0.1944, 0.2007



20.4749, 0.2983, 0.3294



40.9796, 0.2263, 0.3347



3.9919, 0.2261, 0.3340



# Inverse Universe

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



23.8794, 0.5912, 0.3276



21.5160, 0.6338, 0.3291



42.0750, 0.5076, 0.4098



17.9929, 0.3291, 0.3286



11.1171, 0.6381, 0.3289

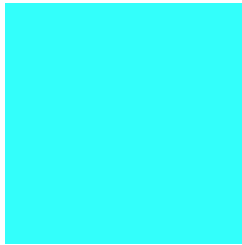


1.0844, 0.6333, 0.3263



# Previews

## White Background



This preview shows how the Yxy color 79.1888, 0.2297, 0.3336 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

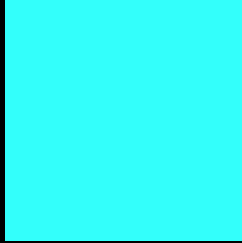
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1888, 0.2297, 0.3336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

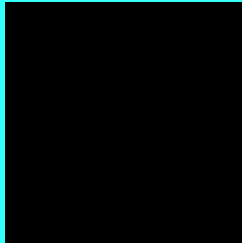
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

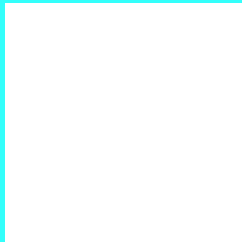
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.1888, 0.2297, 0.3336**

## Background



This preview shows how black text looks on a background with the Yxy color 79.1888, 0.2297, 0.3336.

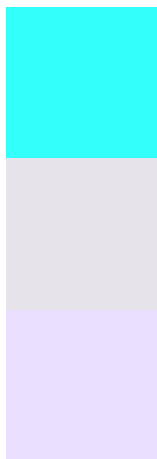


This preview shows how white text looks on a background with the Yxy color 79.1888, 0.2297, 0.3336.

# 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

79.1888, 0.2297, 0.3336

### Protanopia

77.7017, 0.3103, 0.3217

### Deuteranopia

77.6575, 0.3006, 0.2966



## Tritanopia

78.1978, 0.2584, 0.3143

# Trichromacy



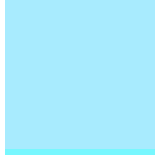
## Original Color

79.1888, 0.2297, 0.3336



## Protanomaly

74.8590, 0.2675, 0.3254



## Deuteranomaly

74.8972, 0.2618, 0.3076



## Tritanomaly

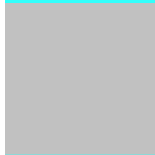
77.6704, 0.2432, 0.3207

# Monochromacy



## Original Color

79.1888, 0.2297, 0.3336



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

59.6295, 0.2650, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1888, 0.2297, 0.3336 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(51, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 251)  
}
```

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(51, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1888, 0.2297, 0.3336 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(51, 255, 251) }
```

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

```
.border{ border-color:rgb(51, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1888, 0.2297, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 251) }
```

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

```
.background{ background-color: rgb(51, 255,  
251) }
```

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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