

# Converting Colors

$Y_{xy}(79.4438, 0.2283, 0.3288)$

Have a look what the booklet for  
Yxy(79.4438, 0.2283, 0.3288)  
contains.

|   |    |
|---|----|
| <b>Yxy(79.4438, 0.2283, 0.3288)</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(79.4438, 0.2283, 0.3288)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 33FFFF                        |
| RGB         | 51, 255, 255                  |
| RGB Percent | 20%, 100%, 100%               |
| CMY         | 0.8010, 0.0000, 0.0001        |
| CMYK        | 0.80, 0.00, 0.00, 0.00        |
| HSL         | 180°, 100%, 60%               |
| HSV         | 180°, 80%, 100%               |
| XYZ         | 55.1613, 79.4438, 107.0123    |
| YIQ         | 194.0040, -121.5840, -43.2480 |

# Conversions

## Conversions Part 2

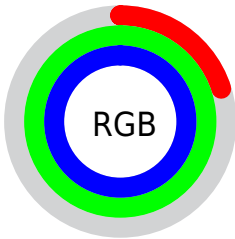
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| R <sub>Y</sub> B                    | 51, 153, 255                    |
| Decimal                             | 3407871                         |
| CIE Lab                             | 91.43, -46.02, -13.62           |
| CIE LCh                             | 91, 47.990, 196.483             |
| Yxy                                 | 79.4438, 0.2283,<br>0.3288      |
| Android<br>(android.graphics.Color) | 4281597951<br>(0xFF33FFFF)      |
| YUV                                 | 194.0040, 30.0710,<br>-125.4145 |
| Hunter-Lab                          | 89.1313, -45.5102,<br>-8.7926   |

# Details

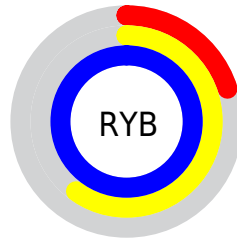
The Yxy color **79.4438, 0.2283, 0.3288** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.8415, 0.5949, 0.3298**, and the grayscale version is **53.7725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **44.0097, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **78.9479, 0.2258, 0.3288**, and if you desaturate by 10%, it is **80.2848, 0.2326, 0.3288**.

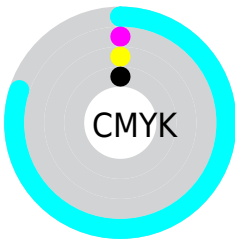
# Distribution



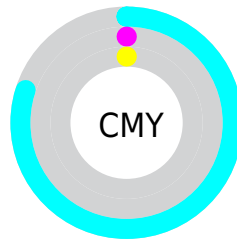
- Red (20%)
- Green (100%)
- Blue (100%)



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



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



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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4438, 0.2283, 0.3288 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 79.4438, 0.2283, 0.3288 by changing the saturation by 10% instead.




 79.4438, 0.2283,  
0.3288


 79.4438, 0.2283,  
0.3288

493.0564, 0.2656,  
0.3301

 59.2608, 0.2202,  
0.3282


 132.5835, 0.2409,  
0.3295


 42.8231, 0.2105,  
0.3274


 166.3089, 0.2459,  
0.3297

 29.7463, 0.1986,  
0.3261


 205.3172, 0.2502,  
0.3298

 19.6461, 0.1837,  
0.3242

 249.9928, 0.2540,  
0.3299

 12.1381, 0.1646,  
0.3210

300.7202, 0.2574,  
0.3300

 6.8378, 0.1395,  
0.3154


357.8836, 0.2604,


 3.3609, 0.1058,


0.3301


421.8676, 0.2631,  
0.3301

0.3048


 1.3229, 0.0178,  
0.2953


 0.1588, 0.0000,  
0.1229


 79.4438, 0.2283,  
0.3288


 79.4438, 0.2283,  
0.3288


 78.9479, 0.2258,  
0.3288


 80.2848, 0.2326,  
0.3288

 78.7380, 0.2247,  
0.3288


 81.5481, 0.2389,  
0.3288

 83.2691, 0.2472,  
0.3288

 85.4857, 0.2573,  
0.3289

 88.2322, 0.2692,  
0.3289

 91.5396, 0.2826,  
0.3289

 95.4365, 0.2971,  
0.3290

99.9498, 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.



79.4438, 0.2664, 0.3855



79.4438, 0.2283, 0.3288



79.4438, 0.2123, 0.2788

# Triad

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



79.4438, 0.2283, 0.3288



79.4438, 0.2981, 0.2523



79.4438, 0.4123, 0.4037

# Complementary

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



79.4438, 0.2283, 0.3288



23.8415, 0.5949, 0.3298

# 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.



79.4438, 0.4247, 0.3634



79.4438, 0.2283, 0.3288



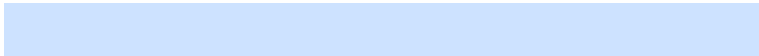
79.4438, 0.3554, 0.2804

# Square

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



79.4438, 0.2283, 0.3288



79.4438, 0.2495, 0.2406



79.4438, 0.4036, 0.3196



79.4438, 0.3728, 0.4289



# Rectangle

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



79.4438, 0.2283, 0.3288



79.4438, 0.2146, 0.2563



79.4438, 0.4036, 0.3196



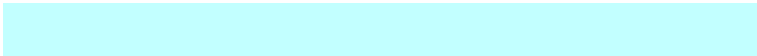
79.4438, 0.4199, 0.3912

# Sweetspot

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



79.4354, 0.2283, 0.3288



90.1824, 0.2772, 0.3289



72.5448, 0.3018, 0.5779



19.0536, 0.2725, 0.3289



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.



79.4354, 0.2283, 0.3288



78.8039, 0.2250, 0.3288



31.7852, 0.1932, 0.1959



20.4815, 0.2980, 0.3290



41.1423, 0.2247, 0.3288



4.0059, 0.2247, 0.3288



# Inverse Universe

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



23.8415, 0.5949, 0.3298



21.5038, 0.6353, 0.3300



43.1384, 0.5041, 0.4130



17.9871, 0.3295, 0.3290



11.1089, 0.6401, 0.3300

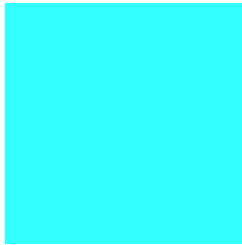


1.0816, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 79.4438, 0.2283, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

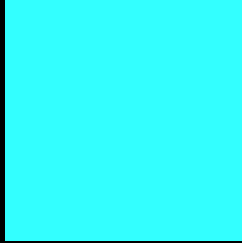
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.4438, 0.2283, 0.3288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

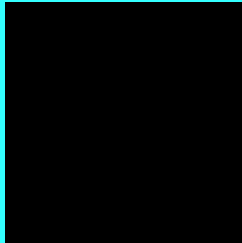
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.4438, 0.2283, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.4438, 0.2283, 0.3288.

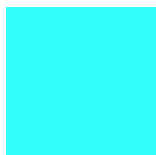


This preview shows how white text looks on a background with the Yxy color 79.4438, 0.2283, 0.3288.

# Color Blindness Simulation

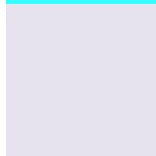
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



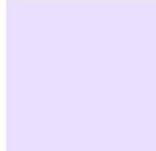
### Original Color

79.4438, 0.2283, 0.3288



### Protanopia

77.9342, 0.3078, 0.3176



### Deuteranopia

77.8549, 0.2993, 0.2975



## Tritanopia

78.3013, 0.2589, 0.3143

# Trichromacy



## Original Color

79.4438, 0.2283, 0.3288



## Protanomaly

75.0994, 0.2655, 0.3209



## Deuteranomaly

74.8522, 0.2608, 0.3065



## Tritanomaly

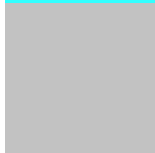
77.8065, 0.2431, 0.3195

# Monochromacy



## Original Color

79.4438, 0.2283, 0.3288



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

59.8204, 0.2645, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.4438, 0.2283, 0.3288 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 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(51, 255, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 79.4438, 0.2283, 0.3288 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 79.4438, 0.2283, 0.3288 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, 255) }
```

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

```
.background{ background-color: rgb(51, 255,  
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](#).

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