

# Converting Colors

$Yxy(80.1943, 0.2439, 0.3380)$

Have a look what the booklet for  
Yxy(80.1943, 0.2439, 0.3380)  
contains.

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# Color

**Yxy(79.9689, 0.2439, 0.3382)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 6BFD5                        |
| RGB         | 107, 253, 245                |
| RGB Percent | 42%, 99%, 96%                |
| CMY         | 0.5805, 0.0078, 0.0391       |
| CMYK        | 0.58, 0.00, 0.03, 0.01       |
| HSL         | 177°, 97%, 71%               |
| HSV         | 177°, 58%, 99%               |
| XYZ         | 57.6712, 79.9689, 98.8143    |
| YIQ         | 208.4340, -84.4480, -33.4400 |

# Conversions

## Conversions Part 2

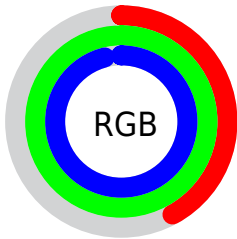
| Format                              | Color                                       |
|-------------------------------------|---------------------------------------------|
| <a href="#">RYB</a>                 | <a href="#">107, 182, 253</a>               |
| Decimal                             | <a href="#">7077365</a>                     |
| CIELab                              | <a href="#">91.67, -40.80, -8.00</a>        |
| CIELCh                              | <a href="#">92, 41.579, 191.086</a>         |
| Yxy                                 | <a href="#">79.9689, 0.2439, 0.3382</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4285267445<br/>(0xFF6BFDF5)</a> |
| YUV                                 | <a href="#">208.4340, 18.0270, -88.9576</a> |
| Hunter-Lab                          | <a href="#">89.4253, -41.3780, -2.9173</a>  |

# Details

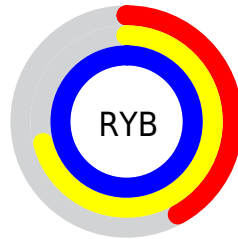
The Yxy color **79.9689, 0.2439, 0.3382** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.6276, 0.4818, 0.3218**, and the grayscale version is **63.2917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **43.2924, 0.2291, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **78.5432, 0.2375, 0.3400**, and if you desaturate by 10%, it is **81.8599, 0.2523, 0.3364**.

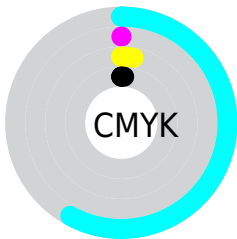
# Distribution



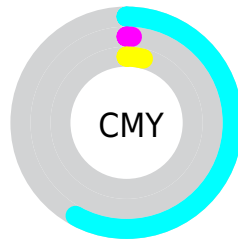
- Red (42%)
- Green (99%)
- Blue (96%)



- Red (42%)
- Yellow (71%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)




- Cyan (58%)
- Magenta (1%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9689, 0.2439, 0.3382 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 79.9689, 0.2439, 0.3382 by changing the saturation by 10% instead.




 79.9689, 0.2439,  
0.3382


 79.9689, 0.2439,  
0.3382


494.8280, 0.2746,  
0.3347

 59.6928, 0.2372,  
0.3388


 133.3220, 0.2543,  
0.3371

 43.1710, 0.2290,  
0.3395


 167.1678, 0.2584,  
0.3367

 30.0193, 0.2190,  
0.3402


 206.3055, 0.2620,  
0.3363

 19.8533, 0.2062,  
0.3409

251.1197, 0.2651,  
0.3359

 12.2884, 0.1896,  
0.3415

301.9946, 0.2679,  
0.3356

 6.9404, 0.1671,  
0.3416

359.3147, 0.2704,

 3.4249, 0.1356,

0.3353

0.3400

423.4644, 0.2726,  
0.3350

■ 1.3574, 0.0588,  
0.3444

■ 0.1850, 0.0000,  
0.1957

■ 79.9689, 0.2439,  
0.3382

■ 79.9689, 0.2439,  
0.3382

■ 78.5432, 0.2375,  
0.3400

■ 81.8599, 0.2523,  
0.3364

■ 77.5323, 0.2330,  
0.3419

■ 84.2433, 0.2624,  
0.3347


■ 76.8906, 0.2305,  
0.3437


■ 87.1549, 0.2742,  
0.3330


■ 76.5535, 0.2295,  
0.3455

■ 90.6245, 0.2872,  
0.3315

 76.4977, 0.2294,  
0.3459

 94.6799, 0.3013,  
0.3300

 98.6254, 0.3138,  
0.3287

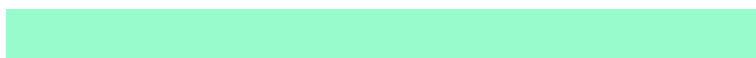
 98.7138, 0.3130,  
0.3274

 98.7332, 0.3128,  
0.3271

# Harmonies

## Analogous

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



79.9689, 0.2806, 0.3850



79.9689, 0.2439, 0.3382



79.9689, 0.2257, 0.2929

# Triad

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



79.9689, 0.2439, 0.3382



79.9689, 0.2918, 0.2586



79.9689, 0.4032, 0.3893

# Complementary

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



79.9689, 0.2439, 0.3382



32.6276, 0.4818, 0.3218

# 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.



79.9689, 0.4084, 0.3532



79.9689, 0.2439, 0.3382



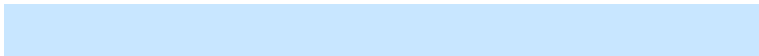
79.9689, 0.3411, 0.2812

# Square

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



79.9689, 0.2439, 0.3382



79.9689, 0.2516, 0.2515



79.9689, 0.3851, 0.3147



79.9689, 0.3729, 0.4133



# Rectangle

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



79.9689, 0.2439, 0.3382



79.9689, 0.2252, 0.2706



79.9689, 0.3851, 0.3147



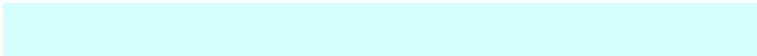
79.9689, 0.4081, 0.3780

# Sweetspot

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



79.9720, 0.2439, 0.3382



92.5338, 0.2882, 0.3314



75.0752, 0.3084, 0.5136



19.6422, 0.2855, 0.3317



0.0000, 0.0000, 0.0000

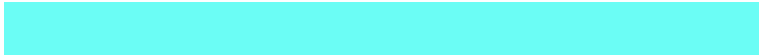


21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9720, 0.2439, 0.3382



79.8019, 0.2368, 0.3403



46.9216, 0.2232, 0.2485



20.4634, 0.2987, 0.3303



40.6997, 0.2293, 0.3456



3.9678, 0.2288, 0.3435



# Inverse Universe

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



32.6276, 0.4818, 0.3218



27.5745, 0.5349, 0.3218



50.7869, 0.4462, 0.3936



18.0031, 0.3286, 0.3277



11.1317, 0.6346, 0.3270

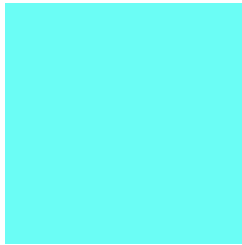


1.0892, 0.6218, 0.3199



# Previews

## White Background



This preview shows how the Yxy color 79.9689, 0.2439, 0.3382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

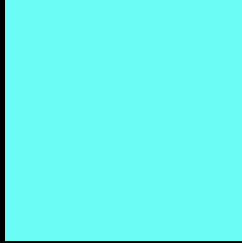
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.9689, 0.2439, 0.3382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

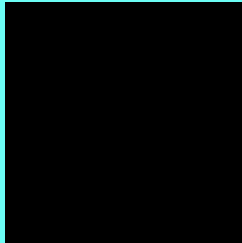
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.9689, 0.2439, 0.3382**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.9689, 0.2439, 0.3382.

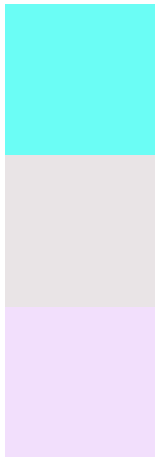


This preview shows how white text looks on a background with the Yxy color 79.9689, 0.2439, 0.3382.

# 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

79.9689, 0.2439, 0.3382

### Protanopia

78.5236, 0.3149, 0.3269

### Deuteranopia

78.6809, 0.3072, 0.3000



## Tritanopia

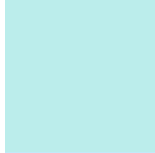
79.3822, 0.2639, 0.3145

# Trichromacy



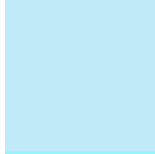
## Original Color

79.9689, 0.2439, 0.3382



## Protanomaly

77.1313, 0.2824, 0.3311



## Deuteranomaly

77.0226, 0.2780, 0.3126



## Tritanomaly

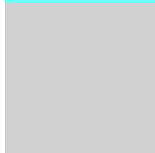
79.1725, 0.2554, 0.3231

# Monochromacy



## Original Color

79.9689, 0.2439, 0.3382



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

67.1897, 0.2796, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.9689, 0.2439, 0.3382 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(107, 253, 245)` looks like.

```
.text, #text, p{  
    color:rgb(107, 253, 245)  
}
```

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(107, 253, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 253, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9689, 0.2439, 0.3382 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(107, 253, 245) }
```

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

```
.border{ border-color:rgb(107, 253, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 253, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 253, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 253, 245);  
box-shadow:4px 4px 4px 4px rgb(107, 253,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9689, 0.2439, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 253, 245) }
```

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

```
.background{ background-color: rgb(107,  
253, 245) }
```

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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