

Converting Colors

$Y_{xy}(79.3606, 0.2408, 0.3514)$

Have a look what the booklet for
Yxy(79.3606, 0.2408, 0.3514)
contains.

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Color

Yxy(79.3255, 0.2408, 0.3519)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 51FFEC |
| RGB | 81, 255, 236 |
| RGB Percent | 32%, 100%, 93% |
| CMY | 0.6831, 0.0000, 0.0745 |
| CMYK | 0.68, 0.00, 0.07, 0.00 |
| HSL | 173°, 100%, 66% |
| HSV | 173°, 68%, 100% |
| XYZ | 54.2813, 79.3255, 91.8138 |
| YIQ | 200.8080, -97.6050, -42.7970 |

Conversions

Conversions Part 2

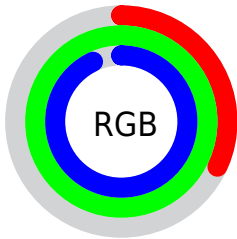
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 81, 173, 255 |
| Decimal | 5373932 |
| CIELab | 91.38, -48.02, -3.81 |
| CIELCh | 91, 48.168, 184.536 |
| Yxy | 79.3255, 0.2408, 0.3519 |
| Android (android.graphics.Color) | 4283564012 (0xFF51FFEC) |
| YUV | 200.8080, 17.3497, -105.0716 |
| Hunter-Lab | 89.0649, -47.0753, 1.2255 |

Details

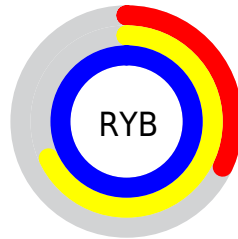
The Yxy color **79.3255, 0.2408, 0.3519** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **28.0309, 0.5193, 0.3134**, and the grayscale version is **58.1803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **43.2278, 0.2322, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **78.2371, 0.2368, 0.3557**, and if you desaturate by 10%, it is **80.8221, 0.2467, 0.3481**.

Distribution



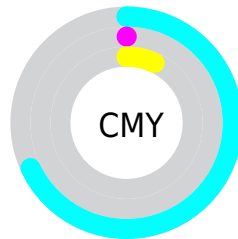
- Red (32%)
- Green (100%)
- Blue (93%)



- 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 79.3255, 0.2408, 0.3519 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 79.3255, 0.2408, 0.3519 by changing the saturation by 10% instead.

 79.3255, 0.2408,
0.3519


 79.3255, 0.2408,
0.3519


492.6568, 0.2730,
0.3420


 59.1635, 0.2337,
0.3540


 132.4170, 0.2518,
0.3486

 42.7447, 0.2251,
0.3565


 166.1153, 0.2561,
0.3473

 29.6849, 0.2144,
0.3596


 205.0944, 0.2599,
0.3461

 19.5995, 0.2008,
0.3633

 249.7388, 0.2631,
0.3451

 12.1043, 0.1831,
0.3681

300.4328, 0.2661,
0.3442

 6.8147, 0.1591,
0.3740

357.5609, 0.2686,

 3.3465, 0.1254,

0.3434

421.5074, 0.2710,
0.3426

0.3813

1.3152, 0.0081,
0.4178

0.1529, 0.0000,
0.2611

79.3255, 0.2408,
0.3519

79.3255, 0.2408,
0.3519

78.2371, 0.2368,
0.3557

80.8221, 0.2467,
0.3481

77.5315, 0.2348,
0.3595

82.7943, 0.2546,
0.3444

77.1309, 0.2344,
0.3633

85.2710, 0.2642,
0.3408

77.0772, 0.2344,
0.3639

88.2859, 0.2753,
0.3374

■ 91.8696, 0.2877,
0.3342

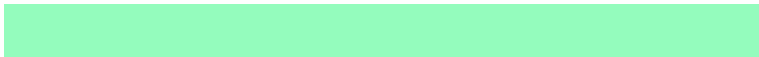
■ 96.0503, 0.3011,
0.3313

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.



79.3255, 0.2862, 0.4049



79.3255, 0.2408, 0.3519



79.3255, 0.2154, 0.2966

Triad

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



79.3255, 0.2408, 0.3519



79.3255, 0.2768, 0.2452



79.3255, 0.4215, 0.3889

Complementary

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



79.3255, 0.2408, 0.3519



28.0309, 0.5193, 0.3134

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.



79.3255, 0.4208, 0.3459



79.3255, 0.2408, 0.3519



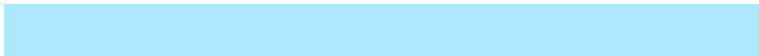
79.3255, 0.3326, 0.2673

Square

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



79.3255, 0.2408, 0.3519



79.3255, 0.2348, 0.2410



79.3255, 0.3872, 0.3029



79.3255, 0.3913, 0.4220

Rectangle

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



79.3255, 0.2408, 0.3519



79.3255, 0.2116, 0.2683



79.3255, 0.3872, 0.3029



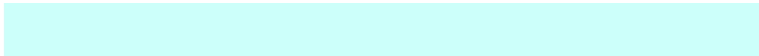
79.3255, 0.4250, 0.3751

Sweetspot

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



79.3172, 0.2408, 0.3519



91.2244, 0.2856, 0.3347



74.8848, 0.3100, 0.5448



19.3035, 0.2820, 0.3356



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.



79.3172, 0.2408, 0.3519



77.9364, 0.2359, 0.3571



45.0221, 0.2125, 0.2424



20.4453, 0.2995, 0.3316



40.2883, 0.2342, 0.3633



3.9321, 0.2330, 0.3590

Inverse Universe

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



28.0309, 0.5193, 0.3134



23.6321, 0.5788, 0.3161



42.8979, 0.4869, 0.3923



18.0193, 0.3277, 0.3264



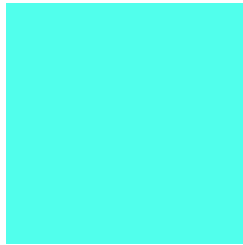
11.1624, 0.6274, 0.3230



1.0969, 0.6049, 0.3106

Previews

White Background



This preview shows how the Yxy color 79.3255, 0.2408, 0.3519 looks on a white background.

Color Contrast Check

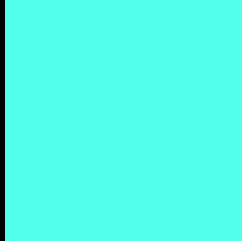
Large Text (above 18pt) WCAG AA × Fail

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 79.3255, 0.2408, 0.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

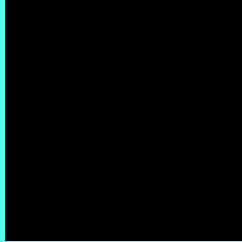
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.3255, 0.2408, 0.3519

Background



This preview shows how black text looks on a background with the Yxy color 79.3255, 0.2408, 0.3519.

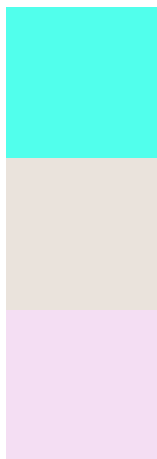


This preview shows how white text looks on a background with the Yxy color 79.3255, 0.2408, 0.3519.

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

79.3255, 0.2408, 0.3519

Protanopia

77.5979, 0.3222, 0.3364

Deuteranopia

77.9467, 0.3144, 0.3078



Tritanopia

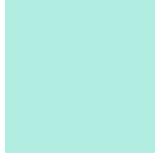
78.6168, 0.2604, 0.3144

Trichromacy



Original Color

79.3255, 0.2408, 0.3519



Protanomaly

75.5243, 0.2820, 0.3415



Deuteranomaly

75.4512, 0.2782, 0.3222



Tritanomaly

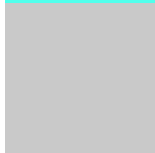
78.3672, 0.2510, 0.3277

Monochromacy



Original Color

79.3255, 0.2408, 0.3519



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.7360, 0.2749, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3255, 0.2408, 0.3519 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(81, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(81, 255, 236)  
}
```

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(81, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 79.3255, 0.2408, 0.3519 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(81, 255, 236) }
```

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

```
.border{ border-color:rgb(81, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(81, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3255, 0.2408, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 255, 236) }
```

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

```
.background{ background-color: rgb(81, 255,  
236) }
```

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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