

Converting Colors

$Y_{xy}(79.1564, 0.2311, 0.3270)$

Have a look what the booklet for
Yxy(79.1564, 0.2311, 0.3270)
contains.

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Color

Yxy(79.4432, 0.2313, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	47FEFF
RGB	71, 254, 255
RGB Percent	28%, 100%, 100%
CMY	0.7213, 0.0039, 0.0001
CMYK	0.72, 0.00, 0.00, 0.00
HSL	180°, 100%, 64%
HSV	180°, 72%, 100%
XYZ	56.0904, 79.4432, 106.9670
YIQ	199.3970, -109.3890, -38.4850

Conversions

Conversions Part 2

Format	Color
RYB	71, 163, 255
Decimal	4718335
CIELab	91.43, -43.69, -13.59
CIELCh	91, 45.752, 197.277
Yxy	79.4432, 0.2313, 0.3276
Android (android.graphics.Color)	4282908415 (0xFF47FEFF)
YUV	199.3970, 27.4123, -112.6042
Hunter-Lab	89.1309, -43.6484, -8.7630

Details

The Yxy color **79.4432, 0.2313, 0.3276** 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 **26.3522, 0.5604, 0.3304**, and the grayscale version is **57.2600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **44.0097, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **78.5890, 0.2273, 0.3274**, and if you desaturate by 10%, it is **80.7076, 0.2373, 0.3278**.

Distribution



- Red (28%)
- Green (100%)
- Blue (100%)



- Red (28%)
- Yellow (64%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4432, 0.2313, 0.3276 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 79.4432, 0.2313, 0.3276 by changing the saturation by 10% instead.

 79.4432, 0.2313,
0.3276


 79.4432, 0.2313,
0.3276

493.0544, 0.2673,
0.3294


 59.2603, 0.2235,
0.3269


 132.5826, 0.2434,
0.3284


 42.8227, 0.2141,
0.3260


 166.3079, 0.2483,
0.3287

 29.7460, 0.2026,
0.3247


 205.3161, 0.2525,
0.3289

 19.6459, 0.1881,
0.3226

 249.9916, 0.2561,
0.3290

 12.1379, 0.1695,
0.3193

300.7187, 0.2594,
0.3292

 6.8377, 0.1449,
0.3136


357.8820, 0.2623,


 3.3608, 0.1117,


0.3293


421.8658, 0.2649,
0.3293


0.3030


 1.3229, 0.0302,
0.2919


 0.1588, 0.0000,
0.1231


 79.4432, 0.2313,
0.3276

 79.4432, 0.2313,
0.3276


 78.5890, 0.2273,
0.3274


 80.7076, 0.2373,
0.3278

 78.0817, 0.2250,
0.3272

 82.4182, 0.2452,
0.3280

 77.8647, 0.2242,
0.3271

 84.6172, 0.2550,
0.3282

 87.3393, 0.2666,
0.3284

■ 90.6161, 0.2797,
0.3286

■ 94.4769, 0.2941,
0.3288

■ 98.9486, 0.3094,
0.3290

■ 99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



79.4432, 0.2675, 0.3814



79.4432, 0.2313, 0.3276



79.4432, 0.2164, 0.2803

Triad

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



79.4432, 0.2313, 0.3276



79.4432, 0.3003, 0.2560



79.4432, 0.4072, 0.4016

Complementary

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



79.4432, 0.2313, 0.3276



26.3522, 0.5604, 0.3304

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.



79.4432, 0.4196, 0.3634



79.4432, 0.2313, 0.3276



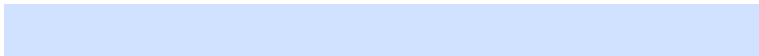
79.4432, 0.3549, 0.2834

Square

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



79.4432, 0.2313, 0.3276



79.4432, 0.2533, 0.2444



79.4432, 0.4003, 0.3213



79.4432, 0.3691, 0.4246

Rectangle

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



79.4432, 0.2313, 0.3276



79.4432, 0.2190, 0.2590



79.4432, 0.4003, 0.3213



79.4432, 0.4147, 0.3899

Sweetspot

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



79.4462, 0.2313, 0.3276



90.6784, 0.2799, 0.3286



73.3049, 0.3019, 0.5603



19.2062, 0.2762, 0.3285



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.



79.4462, 0.2313, 0.3276



78.3162, 0.2260, 0.3273



34.7632, 0.2009, 0.2069



20.4639, 0.2980, 0.3288



40.7010, 0.2242, 0.3271



3.9681, 0.2243, 0.3273

Inverse Universe

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



32.9269, 0.3210, 0.1722



29.5004, 0.3219, 0.1592



47.9144, 0.4795, 0.4142



18.2986, 0.3139, 0.3057



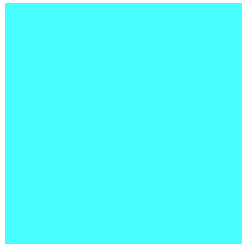
14.8368, 0.3222, 0.1549



1.4451, 0.3221, 0.1548

Previews

White Background



This preview shows how the Yxy color 79.4432, 0.2313, 0.3276 looks on a white background.

Color Contrast Check

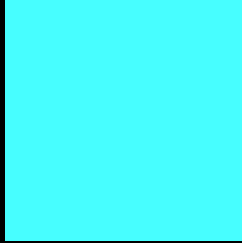
Large Text (above 18pt) WCAG AA × Fail

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 79.4432, 0.2313, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

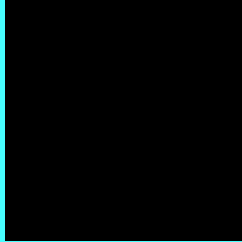
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.4432, 0.2313, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 79.4432, 0.2313, 0.3276.

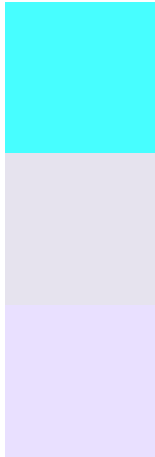


This preview shows how white text looks on a background with the Yxy color 79.4432, 0.2313, 0.3276.

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

79.4432, 0.2313, 0.3276

Protanopia

77.9342, 0.3078, 0.3176

Deuteranopia

77.8549, 0.2993, 0.2975



Tritanopia

78.5108, 0.2599, 0.3143

Trichromacy



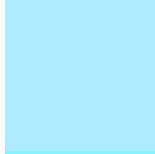
Original Color

79.4432, 0.2313, 0.3276



Protanomaly

75.8707, 0.2692, 0.3210



Deuteranomaly

75.6353, 0.2644, 0.3067



Tritanomaly

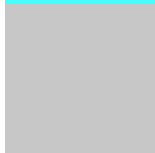
77.8774, 0.2462, 0.3184

Monochromacy



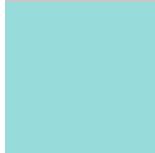
Original Color

79.4432, 0.2313, 0.3276



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.4529, 0.2689, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4432, 0.2313, 0.3276 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(71, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 254, 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(71, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.4432, 0.2313, 0.3276 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(71, 254, 255) }
```

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

```
.border{ border-color:rgb(71, 254, 255) }
```

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

Here you see how a box with a 4 pixel rgb(71, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4432, 0.2313, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 254, 255) }
```

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

```
.background{ background-color: rgb(71, 254,  
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](#).

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