

Converting Colors

$Y_{xy}(100.0000, 0.2470, 0.3823)$

Have a look what the booklet for
Yxy(100.0000, 0.2470, 0.3823)
contains.

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Color

Yxy(79.2295, 0.2389, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	4CFFEE
RGB	76, 255, 238
RGB Percent	30%, 100%, 93%
CMY	0.7023, 0.0000, 0.0665
CMYK	0.70, 0.00, 0.07, 0.00
HSL	174°, 100%, 65%
HSV	174°, 70%, 100%
XYZ	54.1727, 79.2295, 93.3566
YIQ	199.5410, -101.2270, -43.2350

Conversions

Conversions Part 2

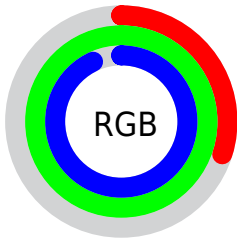
Format	Color
RYB	76, 170, 255
Decimal	5046254
CIELab	91.34, -48.11, -4.94
CIELCh	91, 48.360, 185.859
Yxy	79.2295, 0.2389, 0.3494
Android (android.graphics.Color)	4283236334 (0xFF4CFEE)
YUV	199.5410, 18.9603, -108.3455
Hunter-Lab	89.0110, -47.1329, 0.1231

Details

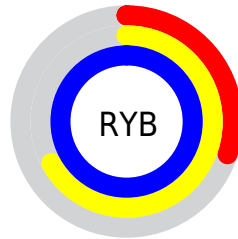
The Yxy color **79.2295, 0.2389, 0.3494** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.2068, 0.5314, 0.3158**, and the grayscale version is **57.3779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **43.3099, 0.2313, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **78.2434, 0.2352, 0.3527**, and if you desaturate by 10%, it is **80.6297, 0.2446, 0.3461**.

Distribution



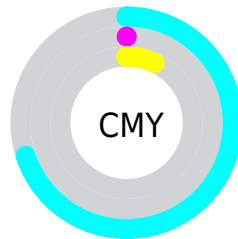
- Red (30%)
- Green (100%)
- Blue (93%)



- Red (30%)
- Yellow (67%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.2295, 0.2389, 0.3494 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 79.2295, 0.2389, 0.3494 by changing the saturation by 10% instead.

 79.2295, 0.2389,
0.3494


 79.2295, 0.2389,
0.3494


492.3324, 0.2719,
0.3407


 59.0845, 0.2316,
0.3512


 132.2819, 0.2501,
0.3465


 42.6812, 0.2228,
0.3533


 165.9581, 0.2546,
0.3454

 29.6350, 0.2119,
0.3559


 204.9135, 0.2584,
0.3444

 19.5617, 0.1981,
0.3590

 249.5325, 0.2618,
0.3435

 12.0769, 0.1801,
0.3628

300.1995, 0.2648,
0.3427

 6.7961, 0.1558,
0.3673


357.2989, 0.2674,


 3.3349, 0.1219,

0.3419


0.3722


421.2151, 0.2698,
0.3413


 1.3090, 0.0057,
0.4029


 0.1481, 0.0000,
0.2263


 79.2295, 0.2389,
0.3494


 79.2295, 0.2389,
0.3494


 78.2434, 0.2352,
0.3527


 80.6297, 0.2446,
0.3461

 77.6210, 0.2334,
0.3560

 82.4895, 0.2522,
0.3429

 77.2811, 0.2331,
0.3591

 84.8465, 0.2616,
0.3398

 87.7349, 0.2726,
0.3368

■ 91.1857, 0.2849,
0.3340

■ 95.2276, 0.2983,
0.3314

99.8876, 0.3124,
0.3291

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.



79.2295, 0.2838, 0.4033



79.2295, 0.2389, 0.3494



79.2295, 0.2145, 0.2943

Triad

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



79.2295, 0.2389, 0.3494



79.2295, 0.2789, 0.2455



79.2295, 0.4212, 0.3908

Complementary

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



79.2295, 0.2389, 0.3494



27.2068, 0.5314, 0.3158

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.



79.2295, 0.4220, 0.3479



79.2295, 0.2389, 0.3494



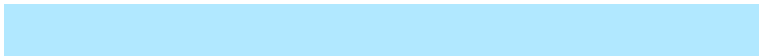
79.2295, 0.3353, 0.2684

Square

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



79.2295, 0.2389, 0.3494



79.2295, 0.2359, 0.2404



79.2295, 0.3896, 0.3046



79.2295, 0.3897, 0.4234

Rectangle

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



79.2295, 0.2389, 0.3494



79.2295, 0.2113, 0.2665



79.2295, 0.3896, 0.3046



79.2295, 0.4253, 0.3771

Sweetspot

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



79.2289, 0.2389, 0.3494



90.8976, 0.2839, 0.3342



74.4116, 0.3085, 0.5509



19.2422, 0.2804, 0.3350



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.



79.2289, 0.2389, 0.3494



77.9690, 0.2343, 0.3539



42.7733, 0.2094, 0.2354



20.4501, 0.2993, 0.3312



40.3932, 0.2329, 0.3586



3.9412, 0.2319, 0.3549

Inverse Universe

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



27.2068, 0.5314, 0.3158



23.1699, 0.5899, 0.3188



42.8212, 0.4905, 0.3958



18.0150, 0.3279, 0.3268



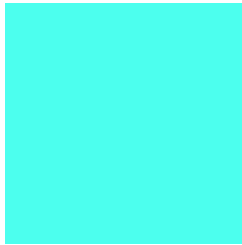
11.1528, 0.6296, 0.3242



1.0949, 0.6092, 0.3130

Previews

White Background



This preview shows how the Yxy color 79.2295, 0.2389, 0.3494 looks on a white background.

Color Contrast Check

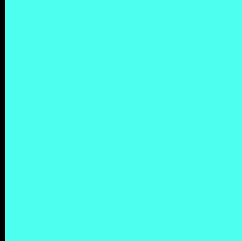
Large Text (above 18pt) WCAG AA × Fail

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 79.2295, 0.2389, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

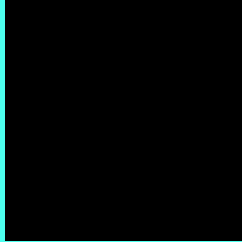
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.2295, 0.2389, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 79.2295, 0.2389, 0.3494.

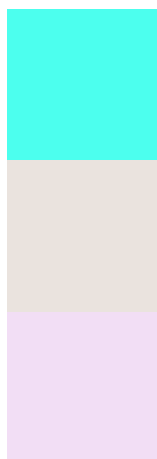


This preview shows how white text looks on a background with the Yxy color 79.2295, 0.2389, 0.3494.

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

79.2295, 0.2389, 0.3494

Protanopia

77.7045, 0.3208, 0.3343

Deuteranopia

77.7124, 0.3117, 0.3058



Tritanopia

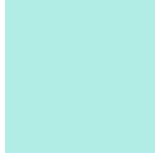
78.5108, 0.2599, 0.3143

Trichromacy



Original Color

79.2295, 0.2389, 0.3494



Protanomaly

75.5169, 0.2804, 0.3392



Deuteranomaly

75.2015, 0.2754, 0.3199



Tritanomaly

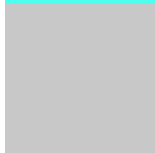
78.1864, 0.2494, 0.3265

Monochromacy



Original Color

79.2295, 0.2389, 0.3494



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

63.0100, 0.2736, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.2295, 0.2389, 0.3494 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(76, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 238)  
}
```

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(76, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 79.2295, 0.2389, 0.3494 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(76, 255, 238) }
```

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

```
.border{ border-color:rgb(76, 255, 238) }
```

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

Here you see how a box with a 4 pixel rgb(76, 255, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 79.2295, 0.2389, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 238) }
```

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

```
.background{ background-color: rgb(76, 255,  
238) }
```

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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