

Converting Colors

$Yxy(79.4179, 0.2345, 0.3399)$

Have a look what the booklet for
Yxy(79.4179, 0.2345, 0.3399)
contains.

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Color

Yxy(79.4390, 0.2345, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	45FFF6
RGB	69, 255, 246
RGB Percent	27%, 100%, 96%
CMY	0.7289, 0.0000, 0.0353
CMYK	0.73, 0.00, 0.04, 0.00
HSL	177°, 100%, 64%
HSV	177°, 73%, 100%
XYZ	54.8541, 79.4390, 99.6262
YIQ	198.3600, -107.9670, -42.2310

Conversions

Conversions Part 2

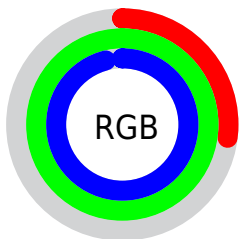
Format	Color
RYB	69, 164, 255
Decimal	4587510
CIELab	91.43, -46.78, -8.94
CIELCh	91, 47.629, 190.813
Yxy	79.4390, 0.2345, 0.3396
Android (android.graphics.Color)	4282777590 (0xFF45FFF6)
YUV	198.3600, 23.4865, -113.4487
Hunter-Lab	89.1286, -46.1173, -3.8833

Details

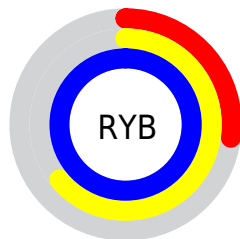
The Yxy color **79.4390, 0.2345, 0.3396** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.0833, 0.5543, 0.3230**, and the grayscale version is **56.6286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **43.6502, 0.2277, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **78.6238, 0.2310, 0.3412**, and if you desaturate by 10%, it is **80.6612, 0.2399, 0.3380**.

Distribution



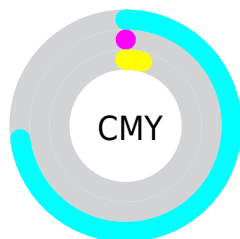
- Red (27%)
- Green (100%)
- Blue (96%)



- Red (27%)
- Yellow (64%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (73%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4390, 0.2345, 0.3396 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 79.4390, 0.2345, 0.3396 by changing the saturation by 10% instead.


 79.4390, 0.2345,
0.3396


 79.4390, 0.2345,
0.3396


493.0402, 0.2693,
0.3357


 59.2568, 0.2269,
0.3403


 132.5767, 0.2463,
0.3384

 42.8199, 0.2178,
0.3410


 166.3010, 0.2509,
0.3379

 29.7438, 0.2064,
0.3417


 205.3082, 0.2550,
0.3375

 19.6442, 0.1922,
0.3423

 249.9825, 0.2585,
0.3370

 12.1367, 0.1738,
0.3427

300.7085, 0.2617,
0.3366

 6.8368, 0.1492,
0.3422


357.8706, 0.2645,


 3.3603, 0.1155,


0.3363


421.8530, 0.2670,
0.3360

0.3394


 1.3226, 0.0160,
0.3477


 0.1586, 0.0000,
0.1659


 79.4390, 0.2345,
0.3396


 79.4390, 0.2345,
0.3396


 78.6238, 0.2310,
0.3412


 80.6612, 0.2399,
0.3380

 78.1513, 0.2293,
0.3428

 82.3269, 0.2473,
0.3364

 77.9684, 0.2289,
0.3440

 84.4787, 0.2566,
0.3348

 87.1516, 0.2676,
0.3333

90.3775, 0.2801,
0.3319

94.1857, 0.2938,
0.3305

98.6034, 0.3084,
0.3293

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



79.4390, 0.2759, 0.3945



79.4390, 0.2345, 0.3396



79.4390, 0.2141, 0.2873

Triad

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



79.4390, 0.2345, 0.3396



79.4390, 0.2880, 0.2493



79.4390, 0.4163, 0.3964

Complementary

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



79.4390, 0.2345, 0.3396



26.0833, 0.5543, 0.3230

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.



79.4390, 0.4225, 0.3550



79.4390, 0.2345, 0.3396



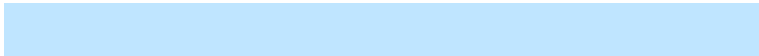
79.4390, 0.3445, 0.2744

Square

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



79.4390, 0.2345, 0.3396



79.4390, 0.2428, 0.2412



79.4390, 0.3955, 0.3118



79.4390, 0.3813, 0.4253

Rectangle

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



79.4390, 0.2345, 0.3396



79.4390, 0.2136, 0.2622



79.4390, 0.3955, 0.3118



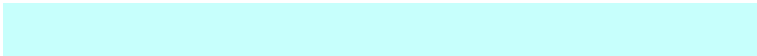
79.4390, 0.4220, 0.3833

Sweetspot

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



79.4420, 0.2345, 0.3396



90.6947, 0.2813, 0.3318



73.5873, 0.3046, 0.5603



19.2101, 0.2778, 0.3321



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.



79.4420, 0.2345, 0.3396



78.3930, 0.2301, 0.3419



37.7500, 0.2032, 0.2183



20.4654, 0.2987, 0.3301



40.7476, 0.2288, 0.3437



3.9720, 0.2283, 0.3419

Inverse Universe

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



26.0833, 0.5543, 0.3230



22.5371, 0.6098, 0.3253



44.3976, 0.4903, 0.4056



18.0013, 0.3287, 0.3279



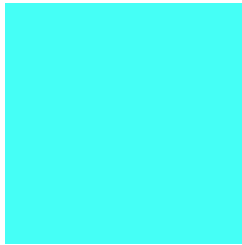
11.1291, 0.6352, 0.3273



1.0884, 0.6238, 0.3210

Previews

White Background



This preview shows how the Yxy color 79.4390, 0.2345, 0.3396 looks on a white background.

Color Contrast Check

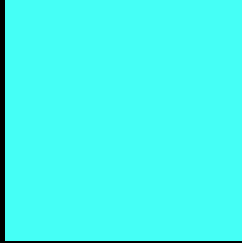
Large Text (above 18pt) WCAG AA × Fail

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 79.4390, 0.2345, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

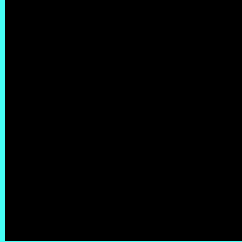
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

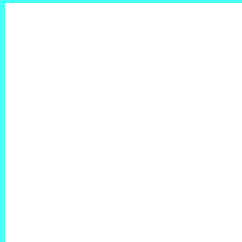
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.4390, 0.2345, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 79.4390, 0.2345, 0.3396.

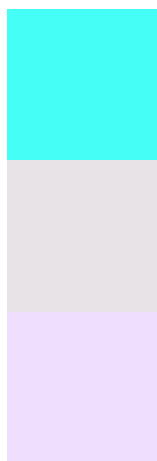


This preview shows how white text looks on a background with the Yxy color 79.4390, 0.2345, 0.3396.

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

79.4390, 0.2345, 0.3396

Protanopia

77.8071, 0.3142, 0.3259

Deuteranopia

77.6851, 0.3045, 0.2978



Tritanopia

78.5108, 0.2599, 0.3143

Trichromacy



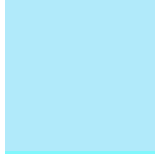
Original Color

79.4390, 0.2345, 0.3396



Protanomaly

75.5087, 0.2739, 0.3300



Deuteranomaly

75.0949, 0.2684, 0.3110



Tritanomaly

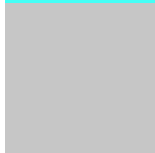
78.2169, 0.2473, 0.3230

Monochromacy



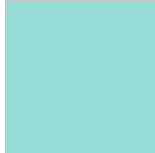
Original Color

79.4390, 0.2345, 0.3396



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

62.1486, 0.2705, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4390, 0.2345, 0.3396 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(69, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 246)  
}
```

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(69, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 79.4390, 0.2345, 0.3396 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(69, 255, 246) }
```

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

```
.border{ border-color:rgb(69, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4390, 0.2345, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 246) }
```

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

```
.background{ background-color: rgb(69, 255,  
246) }
```

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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