

Converting Colors

$Yxy(85.4396, 0.2493, 0.3676)$

Have a look what the booklet for
Yxy(85.4396, 0.2493, 0.3676)
contains.

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Color

Yxy(79.8309, 0.2471, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	61FFE7
RGB	97, 255, 231
RGB Percent	38%, 100%, 91%
CMY	0.6194, 0.0000, 0.0941
CMYK	0.62, 0.00, 0.09, 0.00
HSL	171°, 100%, 69%
HSV	171°, 62%, 100%
XYZ	55.1166, 79.8309, 88.1062
YIQ	205.0220, -86.4640, -40.9600

Conversions

Conversions Part 2

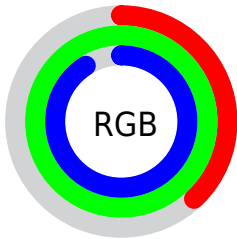
Format	Color
R_{YB}	97, 182, 255
Decimal	6422503
CIE _{Lab}	91.61, -46.88, -0.84
CIE _{LCh}	92, 46.889, 181.025
Yxy	79.8309, 0.2471, 0.3579
Android (android.graphics.Color)	4284612583 (0xFF61FFE7)
YUV	205.0220, 12.8072, -94.7353
Hunter-Lab	89.3481, -46.2472, 4.0778

Details

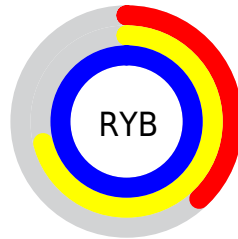
The Yxy color **79.8309, 0.2471, 0.3579** is a light color, and the websafe version is hex **33FFFF**. A complement of this color would be **31.1987, 0.4815, 0.3067**, and the grayscale version is **61.0316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **43.0671, 0.2340, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **78.4334, 0.2422, 0.3633**, and if you desaturate by 10%, it is **81.6884, 0.2540, 0.3526**.

Distribution



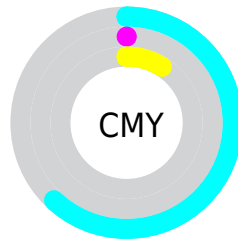
- Red (38%)
- Green (100%)
- Blue (91%)



- Red (38%)
- Yellow (71%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8309, 0.2471, 0.3579 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 79.8309, 0.2471, 0.3579 by changing the saturation by 10% instead.

 79.8309, 0.2471,
0.3579


 79.8309, 0.2471,
0.3579


494.3628, 0.2767,
0.3450

 59.5792, 0.2406,
0.3607


 133.1280, 0.2572,
0.3535

 43.0796, 0.2326,
0.3642


 166.9421, 0.2612,
0.3518

 29.9475, 0.2227,
0.3685


 206.0459, 0.2646,
0.3503

 19.7988, 0.2100,
0.3740


250.8237, 0.2676,
0.3489

 12.2489, 0.1934,
0.3811

301.6599, 0.2703,
0.3478

 6.9134, 0.1706,
0.3908


358.9388, 0.2726,


 3.4080, 0.1380,

0.3467

0.4044

423.0450, 0.2748,
0.3458


 1.3483, 0.0259,
0.4536


 0.1781, 0.0000,
0.4136

 79.8309, 0.2471,
0.3579


 79.8309, 0.2471,
0.3579


 78.4334, 0.2422,
0.3633

 81.6884, 0.2540,
0.3526


 77.4433, 0.2393,
0.3688


 84.0372, 0.2626,
0.3474


 76.8091, 0.2382,
0.3742

 86.9147, 0.2728,
0.3425

 76.4913, 0.2385,
0.3786

 90.3525, 0.2843,
0.3379

 94.3797, 0.2969,
0.3336

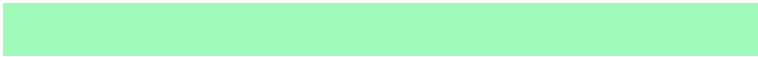
 99.0235, 0.3101,
0.3297

100.0000, 0.3127,
0.3290

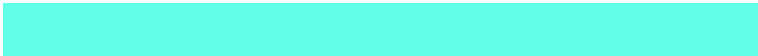
Harmonies

Analogous

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



79.8309, 0.2932, 0.4072



79.8309, 0.2471, 0.3579



79.8309, 0.2197, 0.3034

Triad

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



79.8309, 0.2471, 0.3579



79.8309, 0.2721, 0.2459



79.8309, 0.4201, 0.3829

Complementary

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



79.8309, 0.2471, 0.3579



31.1987, 0.4815, 0.3067

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.



79.8309, 0.4154, 0.3406



79.8309, 0.2471, 0.3579



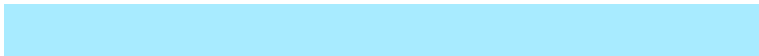
79.8309, 0.3255, 0.2656

Square

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



79.8309, 0.2471, 0.3579



79.8309, 0.2333, 0.2441



79.8309, 0.3795, 0.2991



79.8309, 0.3939, 0.4167

Rectangle

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



79.8309, 0.2471, 0.3579



79.8309, 0.2141, 0.2743



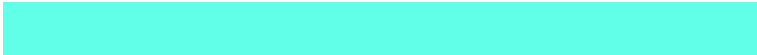
79.8309, 0.3795, 0.2991



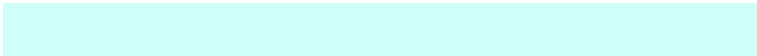
79.8309, 0.4222, 0.3692

Sweetspot

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



79.8334, 0.2471, 0.3579



91.4756, 0.2879, 0.3366



76.6221, 0.3151, 0.5232



19.3458, 0.2844, 0.3378



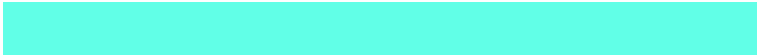
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.8334, 0.2471, 0.3579



78.1980, 0.2414, 0.3645



52.1681, 0.2224, 0.2625



20.4312, 0.3000, 0.3326



39.9863, 0.2383, 0.3777



3.9056, 0.2365, 0.3715

Inverse Universe

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



31.1987, 0.4815, 0.3067



26.0172, 0.5342, 0.3070



43.8394, 0.4717, 0.3812



18.0320, 0.3270, 0.3254



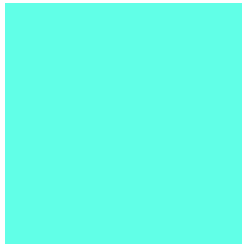
11.1978, 0.6194, 0.3186



1.1028, 0.5923, 0.3037

Previews

White Background



This preview shows how the Yxy color 79.8309, 0.2471, 0.3579 looks on a white background.

Color Contrast Check

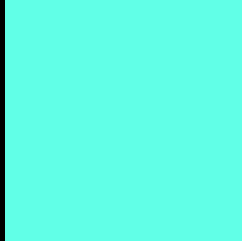
Large Text (above 18pt) WCAG AA × Fail

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 79.8309, 0.2471, 0.3579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

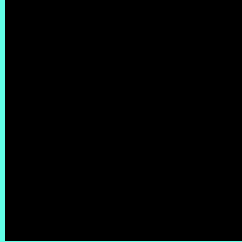
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8309, 0.2471, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 79.8309, 0.2471, 0.3579.

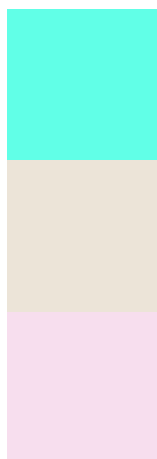


This preview shows how white text looks on a background with the Yxy color 79.8309, 0.2471, 0.3579.

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

79.8309, 0.2471, 0.3579

Protanopia

78.2775, 0.3261, 0.3416

Deuteranopia

78.1898, 0.3198, 0.3129



Tritanopia

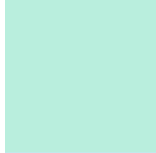
79.1593, 0.2628, 0.3145

Trichromacy



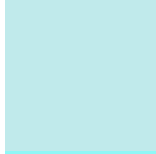
Original Color

79.8309, 0.2471, 0.3579



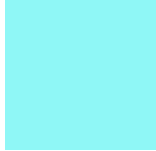
Protanomaly

76.6838, 0.2890, 0.3483



Deuteranomaly

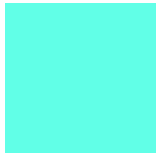
76.0503, 0.2852, 0.3278



Tritanomaly

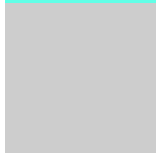
79.0150, 0.2557, 0.3300

Monochromacy



Original Color

79.8309, 0.2471, 0.3579



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.7374, 0.2805, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8309, 0.2471, 0.3579 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(97, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 231)  
}
```

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(97, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 79.8309, 0.2471, 0.3579 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(97, 255, 231) }
```

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

```
.border{ border-color:rgb(97, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8309, 0.2471, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 231) }
```

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

```
.background{ background-color: rgb(97, 255,  
231) }
```

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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