

Converting Colors

$Yxy(81.7042, 0.2509, 0.3474)$

Have a look what the booklet for
Yxy(81.7042, 0.2509, 0.3474)
contains.

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Color

Yxy(81.6739, 0.2509, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	77FFEF
RGB	119, 255, 239
RGB Percent	47%, 100%, 94%
CMY	0.5332, 0.0000, 0.0626
CMYK	0.53, 0.00, 0.06, 0.00
HSL	173°, 100%, 73%
HSV	173°, 53%, 100%
XYZ	58.9528, 81.6739, 94.3385
YIQ	212.5120, -75.9200, -33.8080

Conversions

Conversions Part 2

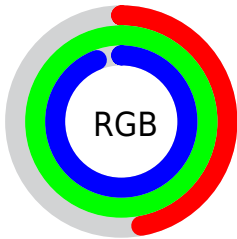
Format	Color
RYB	119, 191, 255
Decimal	7864303
CIELab	92.43, -40.97, -3.72
CIElCh	92, 41.134, 185.184
Yxy	81.6739, 0.2509, 0.3476
Android (android.graphics.Color)	4286054383 (0xFF77FFEF)
YUV	212.5120, 13.0586, -82.0100
Hunter-Lab	90.3736, -41.7142, 1.3703

Details

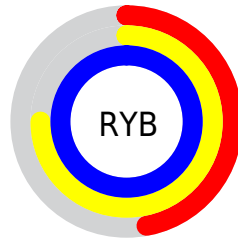
The Yxy color **81.6739, 0.2509, 0.3476** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.2089, 0.4517, 0.3133**, and the grayscale version is **66.1528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **44.4600, 0.2377, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **79.9324, 0.2441, 0.3517**, and if you desaturate by 10%, it is **83.9086, 0.2596, 0.3436**.

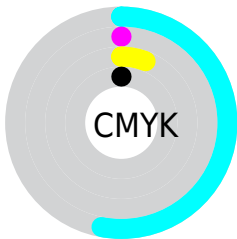
Distribution



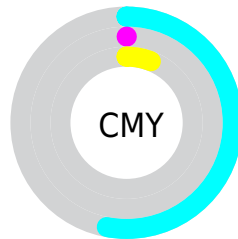
- Red (47%)
- Green (100%)
- Blue (94%)



- Red (47%)
- Yellow (75%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6739, 0.2509, 0.3476 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 81.6739, 0.2509, 0.3476 by changing the saturation by 10% instead.


 81.6739, 0.2509,
0.3476


 81.6739, 0.2509,
0.3476


500.5562, 0.2785,
0.3396


 61.0968, 0.2448,
0.3493


 135.7166, 0.2603,
0.3449

 44.3033, 0.2374,
0.3513


 169.9510, 0.2640,
0.3438

 30.9090, 0.2283,
0.3538


 209.5065, 0.2672,
0.3429

 20.5296, 0.2166,
0.3569

254.7677, 0.2701,
0.3421

 12.7806, 0.2013,
0.3608

306.1189, 0.2726,
0.3413

 7.2776, 0.1805,
0.3657


363.9444, 0.2748,


 3.6363, 0.1508,


0.3407


0.3720


428.6287, 0.2768,
0.3401


 1.4723, 0.0815,
0.3899


 0.2691, 0.0000,
0.3274


 81.6739, 0.2509,
0.3476


 81.6739, 0.2509,
0.3476


 79.9324, 0.2441,
0.3517


 83.9086, 0.2596,
0.3436


 78.6349, 0.2392,
0.3558


 86.6623, 0.2699,
0.3399

 77.7386, 0.2363,
0.3599

 89.9701, 0.2816,
0.3363

 77.1877, 0.2352,
0.3640

 93.8615, 0.2945,
0.3330

 76.9585, 0.2352,
0.3668

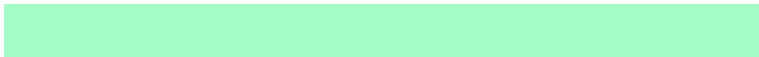
 98.3637, 0.3081,
0.3299

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



81.6739, 0.2898, 0.3915



81.6739, 0.2509, 0.3476



81.6739, 0.2290, 0.3014

Triad

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



81.6739, 0.2509, 0.3476



81.6739, 0.2834, 0.2570



81.6739, 0.4048, 0.3820

Complementary

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



81.6739, 0.2509, 0.3476



36.2089, 0.4517, 0.3133

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.



81.6739, 0.4043, 0.3453



81.6739, 0.2509, 0.3476



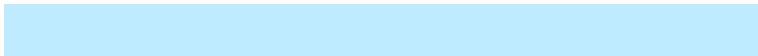
81.6739, 0.3310, 0.2765

Square

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



81.6739, 0.2509, 0.3476



81.6739, 0.2466, 0.2534



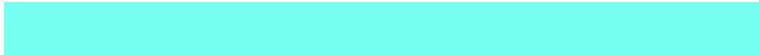
81.6739, 0.3765, 0.3079



81.6739, 0.3793, 0.4088

Rectangle

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



81.6739, 0.2509, 0.3476



81.6739, 0.2258, 0.2773



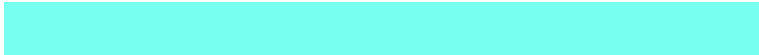
81.6739, 0.3765, 0.3079



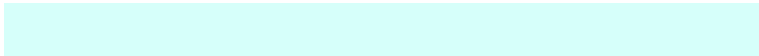
81.6739, 0.4078, 0.3704

Sweetspot

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



81.6771, 0.2509, 0.3476



92.7614, 0.2909, 0.3338



78.1838, 0.3137, 0.4962



19.6799, 0.2883, 0.3345



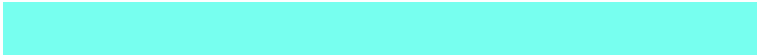
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.6771, 0.2509, 0.3476



79.8312, 0.2437, 0.3520



54.8746, 0.2317, 0.2676



20.4426, 0.2996, 0.3318



40.2272, 0.2350, 0.3661



3.9267, 0.2337, 0.3614

Inverse Universe

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



36.2089, 0.4517, 0.3133



30.0267, 0.4979, 0.3120



50.9248, 0.4388, 0.3804



18.0218, 0.3276, 0.3262



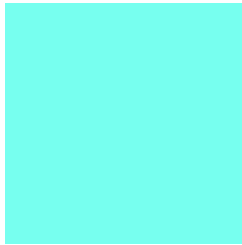
11.1685, 0.6260, 0.3222



1.0980, 0.6023, 0.3092

Previews

White Background



This preview shows how the Yxy color 81.6739, 0.2509, 0.3476 looks on a white background.

Color Contrast Check

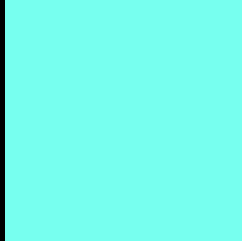
Large Text (above 18pt) WCAG AA × Fail

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 81.6739, 0.2509, 0.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

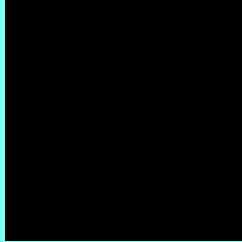
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

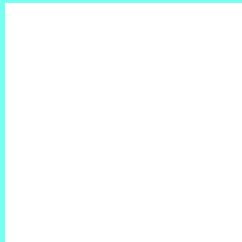
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6739, 0.2509, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 81.6739, 0.2509, 0.3476.

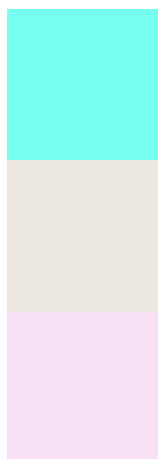


This preview shows how white text looks on a background with the Yxy color 81.6739, 0.2509, 0.3476.

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

81.6739, 0.2509, 0.3476

Protanopia

80.5926, 0.3207, 0.3352

Deuteranopia

80.3995, 0.3157, 0.3091



Tritanopia

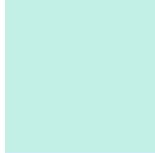
81.2663, 0.2697, 0.3158

Trichromacy



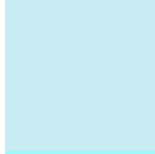
Original Color

81.6739, 0.2509, 0.3476



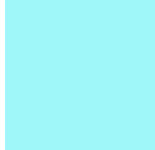
Protanomaly

79.5027, 0.2895, 0.3400



Deuteranomaly

78.8795, 0.2862, 0.3214



Tritanomaly

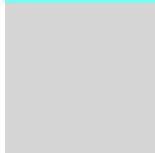
80.7320, 0.2616, 0.3266

Monochromacy



Original Color

81.6739, 0.2509, 0.3476



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.3444, 0.2842, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6739, 0.2509, 0.3476 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(119, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 239)  
}
```

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(119, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 81.6739, 0.2509, 0.3476 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(119, 255, 239) }
```

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

```
.border{ border-color:rgb(119, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6739, 0.2509, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 239) }
```

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

```
.background{ background-color: rgb(119,  
255, 239) }
```

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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