

Converting Colors

$Yxy(81.2375, 0.2484, 0.3472)$

Have a look what the booklet for
Yxy(81.2375, 0.2484, 0.3472)
contains.

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Color

Yxy(81.1967, 0.2485, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	70FFEF
RGB	112, 255, 239
RGB Percent	44%, 100%, 94%
CMY	0.5605, 0.0000, 0.0626
CMYK	0.56, 0.00, 0.06, 0.00
HSL	173°, 100%, 72%
HSV	173°, 56%, 100%
XYZ	58.0310, 81.1967, 94.2975
YIQ	210.4190, -80.0920, -35.2920

Conversions

Conversions Part 2

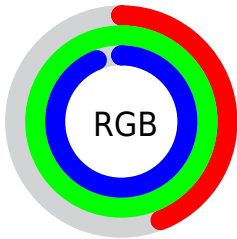
Format	Color
RYB	112, 188, 255
Decimal	7405551
CIELab	92.22, -42.29, -4.05
CIELCh	92, 42.482, 185.475
Yxy	81.1967, 0.2485, 0.3477
Android (android.graphics.Color)	4285595631 (0xFF70FFEF)
YUV	210.4190, 14.0904, -86.3135
Hunter-Lab	90.1092, -42.7358, 1.0307

Details

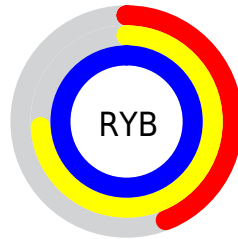
The Yxy color **81.1967, 0.2485, 0.3477** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.4211, 0.4641, 0.3136**, and the grayscale version is **64.6969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **44.1644, 0.2348, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **79.5892, 0.2421, 0.3516**, and if you desaturate by 10%, it is **83.2868, 0.2567, 0.3439**.

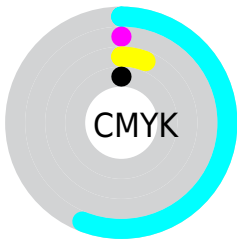
Distribution



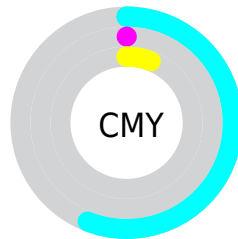
- Red (44%)
- Green (100%)
- Blue (94%)



- Red (44%)
- Yellow (74%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1967, 0.2485, 0.3477 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 81.1967, 0.2485, 0.3477 by changing the saturation by 10% instead.


 81.1967, 0.2485,
0.3477

 81.1967, 0.2485,
0.3477


498.9567, 0.2772,
0.3396


 60.7036, 0.2422,
0.3494

 135.0469, 0.2583,
0.3450

 43.9860, 0.2345,
0.3514


 169.1729, 0.2621,
0.3439

 30.6595, 0.2250,
0.3539


 208.6119, 0.2655,
0.3430

 20.3397, 0.2129,
0.3569

253.7483, 0.2684,
0.3422

 12.6422, 0.1971,
0.3607

304.9666, 0.2710,
0.3414

 7.1826, 0.1755,
0.3655


362.6512, 0.2733,


 3.5766, 0.1450,


0.3408


0.3714


427.1864, 0.2754,
0.3402


 1.4397, 0.0688,
0.3906


 0.2457, 0.0000,
0.3084


 81.1967, 0.2485,
0.3477


 81.1967, 0.2485,
0.3477


 79.5892, 0.2421,
0.3516


 83.2868, 0.2567,
0.3439


 78.4135, 0.2378,
0.3555


 85.8862, 0.2667,
0.3403

 77.6249, 0.2353,
0.3594

 89.0311, 0.2781,
0.3368

 77.1633, 0.2346,
0.3633

 92.7514, 0.2907,
0.3336

 77.0362, 0.2347,
0.3648

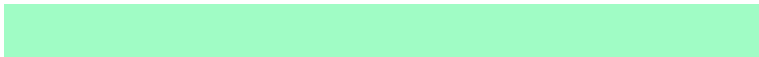
 97.0750, 0.3042,
0.3307

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



81.1967, 0.2885, 0.3934



81.1967, 0.2485, 0.3477



81.1967, 0.2262, 0.2999

Triad

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



81.1967, 0.2485, 0.3477



81.1967, 0.2828, 0.2549



81.1967, 0.4078, 0.3839

Complementary

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



81.1967, 0.2485, 0.3477



34.4211, 0.4641, 0.3136

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.



81.1967, 0.4077, 0.3461



81.1967, 0.2485, 0.3477



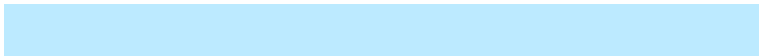
81.1967, 0.3321, 0.2751

Square

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



81.1967, 0.2485, 0.3477



81.1967, 0.2448, 0.2509



81.1967, 0.3791, 0.3075



81.1967, 0.3811, 0.4116

Rectangle

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



81.1967, 0.2485, 0.3477



81.1967, 0.2231, 0.2751



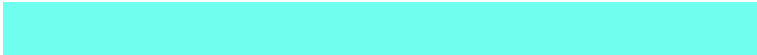
81.1967, 0.3791, 0.3075



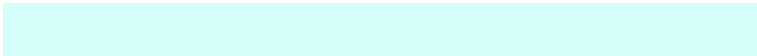
81.1967, 0.4110, 0.3719

Sweetspot

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



81.1998, 0.2485, 0.3477



92.3771, 0.2895, 0.3339



77.3352, 0.3122, 0.5061



19.6048, 0.2869, 0.3345



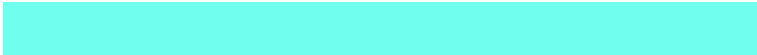
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.1998, 0.2485, 0.3477



79.4630, 0.2416, 0.3520



52.0725, 0.2275, 0.2607



20.4445, 0.2995, 0.3317



40.2688, 0.2345, 0.3642



3.9304, 0.2333, 0.3597

Inverse Universe

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



34.4211, 0.4641, 0.3136



28.6079, 0.5127, 0.3129



50.0147, 0.4461, 0.3850



18.0201, 0.3277, 0.3264



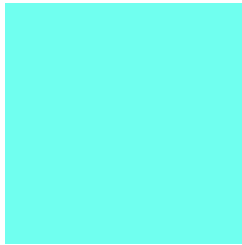
11.1643, 0.6270, 0.3228



1.0972, 0.6041, 0.3101

Previews

White Background



This preview shows how the Yxy color 81.1967, 0.2485, 0.3477 looks on a white background.

Color Contrast Check

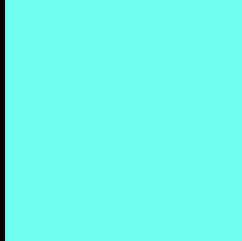
Large Text (above 18pt) WCAG AA × Fail

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 81.1967, 0.2485, 0.3477 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 81.1967, 0.2485, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 81.1967, 0.2485, 0.3477.

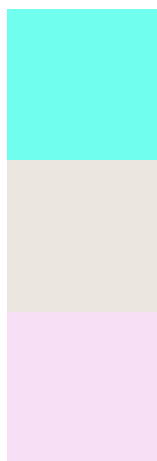


This preview shows how white text looks on a background with the Yxy color 81.1967, 0.2485, 0.3477.

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

81.1967, 0.2485, 0.3477

Protanopia

79.8627, 0.3201, 0.3342

Deuteranopia

79.7393, 0.3144, 0.3071



Tritanopia

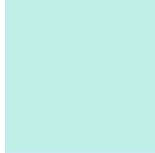
80.7862, 0.2676, 0.3158

Trichromacy



Original Color

81.1967, 0.2485, 0.3477



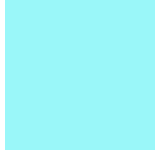
Protanomaly

78.5225, 0.2876, 0.3389



Deuteranomaly

77.8935, 0.2844, 0.3202



Tritanomaly

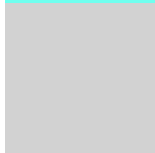
80.2311, 0.2592, 0.3266

Monochromacy



Original Color

81.1967, 0.2485, 0.3477



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.6118, 0.2816, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1967, 0.2485, 0.3477 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(112, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 81.1967, 0.2485, 0.3477 is called "border". The border property can be set on classes, ids or directly on the HTML element.

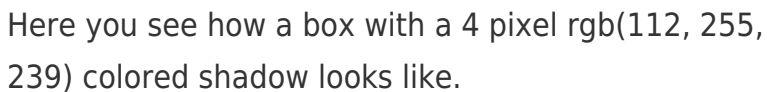
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 255, 239) }
```

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

```
.border{ border-color:rgb(112, 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(112, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1967, 0.2485, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 239) }
```

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

```
.background{ background-color: rgb(112,  
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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