

Converting Colors

Yxy(81.4122, 0.2479, 0.3448)

Have a look what the booklet for
Yxy(81.4122, 0.2479, 0.3448)
contains.

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Color

Yxy(81.3816, 0.2480, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	71FFF1
RGB	113, 255, 241
RGB Percent	44%, 100%, 95%
CMY	0.5568, 0.0000, 0.0549
CMYK	0.56, 0.00, 0.05, 0.00
HSL	174°, 100%, 72%
HSV	174°, 56%, 100%
XYZ	58.4496, 81.3816, 95.8526
YIQ	210.9460, -80.1380, -34.4580

Conversions

Conversions Part 2

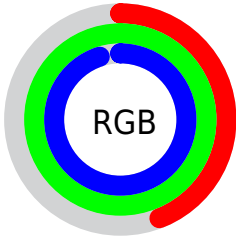
Format	Color
R_{YB}	113, 188, 255
Decimal	7471089
CIE _{Lab}	92.30, -41.62, -4.95
CIE _{LCh}	92, 41.918, 186.788
Yxy	81.3816, 0.2480, 0.3453
Android (android.graphics.Color)	4285661169 (0xFF71FFF1)
YUV	210.9460, 14.8166, -85.8986
Hunter-Lab	90.2118, -42.2177, 0.1509

Details

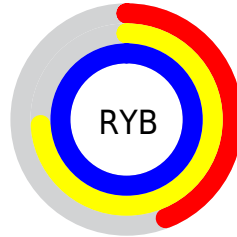
The Yxy color **81.3816, 0.2480, 0.3453** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.6076, 0.4649, 0.3156**, and the grayscale version is **65.0484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **44.2843, 0.2342, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **79.7737, 0.2415, 0.3487**, and if you desaturate by 10%, it is **83.4705, 0.2564, 0.3420**.

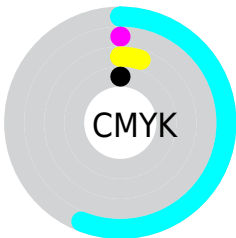
Distribution



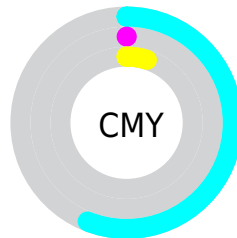
- Red (44%)
- Green (100%)
- Blue (95%)



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



- Cyan (56%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.3816, 0.2480, 0.3453 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 81.3816, 0.2480, 0.3453 by changing the saturation by 10% instead.


 81.3816, 0.2480,
0.3453

 81.3816, 0.2480,
0.3453


499.5768, 0.2769,
0.3384


 60.8559, 0.2417,
0.3467


 135.3065, 0.2578,
0.3430

 44.1089, 0.2340,
0.3484


 169.4744, 0.2617,
0.3421

 30.7561, 0.2244,
0.3504


 208.9586, 0.2651,
0.3413

 20.4132, 0.2123,
0.3529

254.1434, 0.2680,
0.3406

 12.6958, 0.1965,
0.3559

305.4133, 0.2706,
0.3399

 7.2194, 0.1750,
0.3595

363.1525, 0.2729,

 3.5997, 0.1446,

0.3394

427.7456, 0.2750,
0.3389

0.3636

1.4523, 0.0724,
0.3778

0.2548, 0.0000,
0.2900

81.3816, 0.2480,
0.3453

81.3816, 0.2480,
0.3453

79.7737, 0.2415,
0.3487

83.4705, 0.2564,
0.3420

78.6000, 0.2369,
0.3521

86.0707, 0.2665,
0.3388

77.8147, 0.2343,
0.3556

89.2169, 0.2781,
0.3358

77.3585, 0.2335,
0.3589

92.9391, 0.2910,
0.3330

■ 77.2260, 0.2334,
0.3604

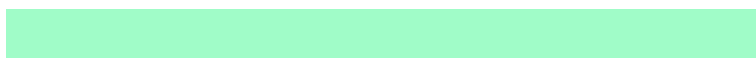
■ 97.2650, 0.3047,
0.3304

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.



81.3816, 0.2869, 0.3908



81.3816, 0.2480, 0.3453



81.3816, 0.2268, 0.2986

Triad

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



81.3816, 0.2480, 0.3453



81.3816, 0.2852, 0.2564



81.3816, 0.4059, 0.3847

Complementary

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



81.3816, 0.2480, 0.3453



34.6076, 0.4649, 0.3156

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.



81.3816, 0.4069, 0.3476



81.3816, 0.2480, 0.3453



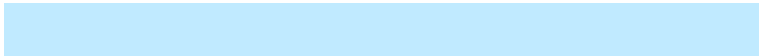
81.3816, 0.3340, 0.2770

Square

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



81.3816, 0.2480, 0.3453



81.3816, 0.2470, 0.2517



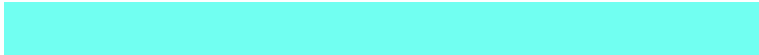
81.3816, 0.3799, 0.3094



81.3816, 0.3786, 0.4113

Rectangle

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



81.3816, 0.2480, 0.3453



81.3816, 0.2243, 0.2746



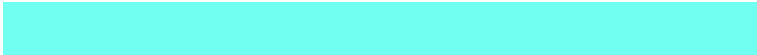
81.3816, 0.3799, 0.3094



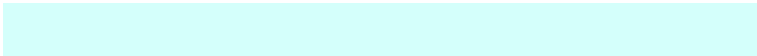
81.3816, 0.4094, 0.3730

Sweetspot

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



81.3835, 0.2480, 0.3453



92.4130, 0.2892, 0.3333



77.2416, 0.3110, 0.5055



19.6133, 0.2866, 0.3339



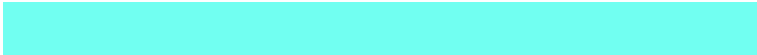
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.3835, 0.2480, 0.3453



79.5945, 0.2408, 0.3491



51.2156, 0.2273, 0.2581



20.4488, 0.2993, 0.3313



40.3649, 0.2333, 0.3598



3.9388, 0.2322, 0.3559

Inverse Universe

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



34.6076, 0.4649, 0.3156



28.5633, 0.5157, 0.3150



51.1320, 0.4433, 0.3871



18.0161, 0.3279, 0.3267



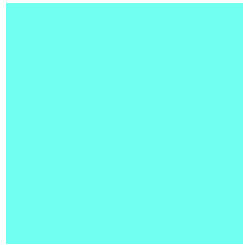
11.1553, 0.6291, 0.3239



1.0954, 0.6080, 0.3123

Previews

White Background



This preview shows how the Yxy color 81.3816, 0.2480, 0.3453 looks on a white background.

Color Contrast Check

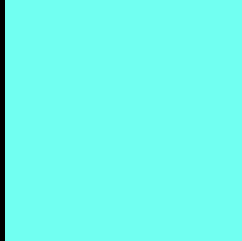
Large Text (above 18pt) WCAG AA × Fail

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 81.3816, 0.2480, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

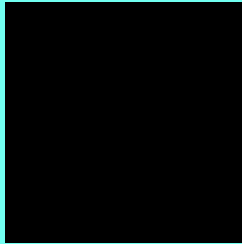
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.3816, 0.2480, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 81.3816, 0.2480, 0.3453.

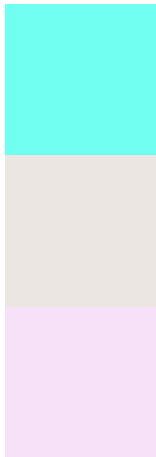


This preview shows how white text looks on a background with the Yxy color 81.3816, 0.2480, 0.3453.

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

81.3816, 0.2480, 0.3453

Protanopia

79.9725, 0.3188, 0.3321

Deuteranopia

80.2206, 0.3124, 0.3061



Tritanopia

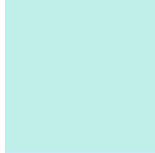
80.9049, 0.2681, 0.3158

Trichromacy



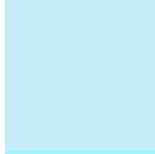
Original Color

81.3816, 0.2480, 0.3453



Protanomaly

78.6356, 0.2865, 0.3367



Deuteranomaly

78.5892, 0.2833, 0.3192



Tritanomaly

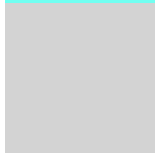
80.3922, 0.2592, 0.3255

Monochromacy



Original Color

81.3816, 0.2480, 0.3453



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3261, 0.2817, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3816, 0.2480, 0.3453 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(113, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 241)  
}
```

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(113, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 81.3816, 0.2480, 0.3453 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(113, 255, 241) }
```

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

```
.border{ border-color:rgb(113, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3816, 0.2480, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 255, 241) }
```

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

```
.background{ background-color: rgb(113,  
255, 241) }
```

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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