

Converting Colors

$Y_{xy}(100.0000, 0.2506, 0.3709)$

Have a look what the booklet for
Yxy(100.0000, 0.2506, 0.3709)
contains.

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Color

Yxy(81.1767, 0.2441, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	6AFFF5
RGB	106, 255, 245
RGB Percent	42%, 100%, 96%
CMY	0.5846, 0.0000, 0.0392
CMYK	0.58, 0.00, 0.04, 0.00
HSL	176°, 100%, 71%
HSV	176°, 58%, 100%
XYZ	58.1774, 81.1767, 98.9803
YIQ	209.3090, -85.5940, -34.6980

Conversions

Conversions Part 2

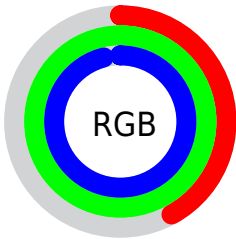
Format	Color
RYB	106, 183, 255
Decimal	7012341
CIELab	92.21, -41.89, -7.17
CIELCh	92, 42.503, 189.717
Yxy	81.1767, 0.2441, 0.3406
Android (android.graphics.Color)	4285202421 (0xFF6AFF5)
YUV	209.3090, 17.5957, -90.6020
Hunter-Lab	90.0981, -42.4121, -2.0663

Details

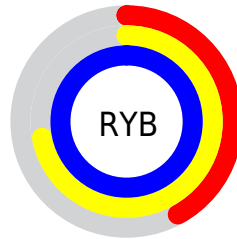
The Yxy color **81.1767, 0.2441, 0.3406** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.8137, 0.4829, 0.3199**, and the grayscale version is **63.8824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **44.1557, 0.2295, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **79.7323, 0.2379, 0.3429**, and if you desaturate by 10%, it is **83.0770, 0.2522, 0.3384**.

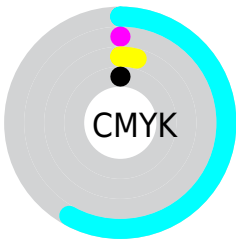
Distribution



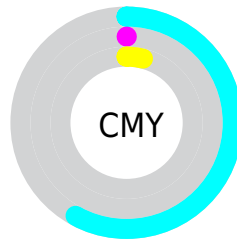
- Red (42%)
- Green (100%)
- Blue (96%)



- Red (42%)
- Yellow (72%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1767, 0.2441, 0.3406 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 81.1767, 0.2441, 0.3406 by changing the saturation by 10% instead.


 81.1767, 0.2441,
0.3406

 81.1767, 0.2441,
0.3406


498.8896, 0.2746,
0.3360

 60.6871, 0.2374,
0.3415


 135.0189, 0.2545,
0.3391

 43.9727, 0.2293,
0.3425

 169.1402, 0.2585,
0.3385

 30.6491, 0.2193,
0.3436


 208.5743, 0.2621,
0.3380

 20.3318, 0.2067,
0.3449

253.7056, 0.2652,
0.3375

 12.6364, 0.1902,
0.3462

304.9183, 0.2680,
0.3371

 7.1787, 0.1680,
0.3473


362.5970, 0.2705,


 3.5741, 0.1369,

0.3367

0.3474

427.1259, 0.2727,
0.3363

 1.4383, 0.0645,
0.3537


 0.2447, 0.0000,
0.2416


 81.1767, 0.2441,
0.3406


 81.1767, 0.2441,
0.3406


 79.7323, 0.2379,
0.3429


 83.0770, 0.2522,
0.3384


 78.7151, 0.2337,
0.3452


 85.4844, 0.2622,
0.3362


 78.0702, 0.2313,
0.3474

 88.4280, 0.2737,
0.3341

 77.7268, 0.2306,
0.3497

 91.9382, 0.2865,
0.3322

 77.6859, 0.2306,
0.3500

 96.0436, 0.3004,
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.



81.1767, 0.2820, 0.3879



81.1767, 0.2441, 0.3406



81.1767, 0.2247, 0.2940

Triad

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



81.1767, 0.2441, 0.3406



81.1767, 0.2893, 0.2568



81.1767, 0.4056, 0.3887

Complementary

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



81.1767, 0.2441, 0.3406



32.8137, 0.4829, 0.3199

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.



81.1767, 0.4095, 0.3516



81.1767, 0.2441, 0.3406



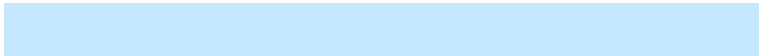
81.1767, 0.3392, 0.2791

Square

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



81.1767, 0.2441, 0.3406



81.1767, 0.2491, 0.2504



81.1767, 0.3847, 0.3127



81.1767, 0.3757, 0.4141

Rectangle

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



81.1767, 0.2441, 0.3406



81.1767, 0.2236, 0.2709



81.1767, 0.3847, 0.3127



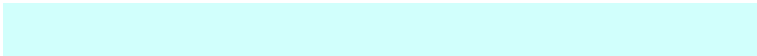
81.1767, 0.4101, 0.3771

Sweetspot

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



81.1721, 0.2441, 0.3406



92.1130, 0.2871, 0.3321



76.4356, 0.3094, 0.5155



19.4828, 0.2833, 0.3327



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.



81.1721, 0.2441, 0.3406



79.5490, 0.2371, 0.3432



48.3707, 0.2229, 0.2505



20.4592, 0.2989, 0.3306



40.6016, 0.2305, 0.3496



3.9593, 0.2297, 0.3471

Inverse Universe

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



32.8137, 0.4829, 0.3199



27.2107, 0.5367, 0.3200



50.3207, 0.4504, 0.3918



18.0068, 0.3284, 0.3274



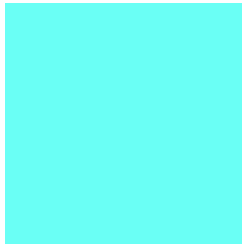
11.1375, 0.6332, 0.3262



1.0910, 0.6178, 0.3177

Previews

White Background



This preview shows how the Yxy color 81.1767, 0.2441, 0.3406 looks on a white background.

Color Contrast Check

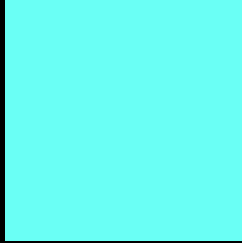
Large Text (above 18pt) WCAG AA × Fail

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 81.1767, 0.2441, 0.3406 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 81.1767, 0.2441, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 81.1767, 0.2441, 0.3406.

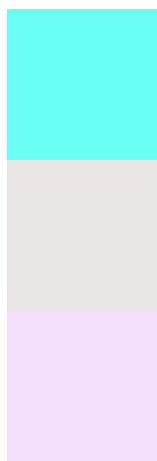


This preview shows how white text looks on a background with the Yxy color 81.1767, 0.2441, 0.3406.

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

81.1767, 0.2441, 0.3406

Protanopia

79.9690, 0.3161, 0.3290

Deuteranopia

79.5727, 0.3085, 0.3011



Tritanopia

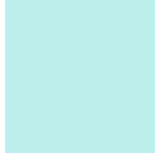
80.6683, 0.2671, 0.3157

Trichromacy



Original Color

81.1767, 0.2441, 0.3406



Protanomaly

78.4225, 0.2831, 0.3334



Deuteranomaly

77.7255, 0.2787, 0.3137



Tritanomaly

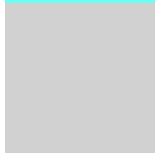
80.0659, 0.2570, 0.3243

Monochromacy



Original Color

81.1767, 0.2441, 0.3406



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.4373, 0.2798, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1767, 0.2441, 0.3406 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(106, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 245)  
}
```

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(106, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 81.1767, 0.2441, 0.3406 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(106, 255, 245) }
```

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

```
.border{ border-color:rgb(106, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1767, 0.2441, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 245) }
```

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

```
.background{ background-color: rgb(106,  
255, 245) }
```

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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