

Converting Colors

$Y_{xy}(81.1988, 0.2425, 0.3377)$

Have a look what the booklet for
Yxy(81.1988, 0.2425, 0.3377)
contains.

Yxy(81.1785, 0.2427, 0.3382)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.1785, 0.2427, 0.3382)

Conversions

Conversions Part 1

Format	Color
Hex	68FFF7
RGB	104, 255, 247
RGB Percent	41%, 100%, 97%
CMY	0.5922, 0.0000, 0.0314
CMYK	0.59, 0.00, 0.03, 0.00
HSL	177°, 100%, 70%
HSV	177°, 59%, 100%
XYZ	58.2555, 81.1785, 100.5970
YIQ	208.9390, -87.4280, -34.5000

Conversions

Conversions Part 2

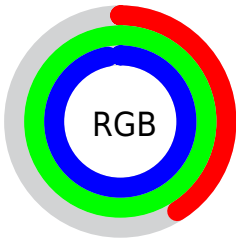
Format	Color
RYB	104, 182, 255
Decimal	6881271
CIELab	92.21, -41.71, -8.22
CIELCh	92, 42.509, 191.151
Yxy	81.1785, 0.2427, 0.3382
Android (android.graphics.Color)	4285071351 (0xFF68FFF7)
YUV	208.9390, 18.7641, -92.0315
Hunter-Lab	90.0991, -42.2604, -3.1288

Details

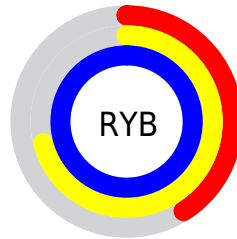
The Yxy color **81.1785, 0.2427, 0.3382** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.3260, 0.4891, 0.3219**, and the grayscale version is **63.6326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **44.1562, 0.2277, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **79.7927, 0.2366, 0.3400**, and if you desaturate by 10%, it is **83.0242, 0.2508, 0.3364**.

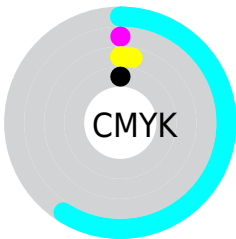
Distribution



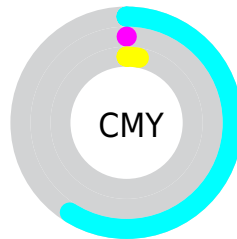
- Red (41%)
- Green (100%)
- Blue (97%)



- Red (41%)
- Yellow (71%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1785, 0.2427, 0.3382 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 81.1785, 0.2427, 0.3382 by changing the saturation by 10% instead.


 81.1785, 0.2427,
0.3382


 81.1785, 0.2427,
0.3382

498.8956, 0.2738,
0.3348

 60.6886, 0.2359,
0.3388


 135.0214, 0.2532,
0.3372

 43.9739, 0.2277,
0.3395

 169.1432, 0.2574,
0.3367

 30.6500, 0.2175,
0.3401


 208.5777, 0.2610,
0.3363

 20.3325, 0.2047,
0.3408

253.7094, 0.2642,
0.3359

 12.6370, 0.1880,
0.3413

304.9227, 0.2670,
0.3356

 7.1790, 0.1656,
0.3413


362.6018, 0.2695,


 3.5743, 0.1344,


0.3353


427.1314, 0.2718,
0.3350

0.3395


 1.4384, 0.0634,
0.3419


 0.2448, 0.0000,
0.2254


 81.1785, 0.2427,
0.3382


 81.1785, 0.2427,
0.3382


 79.7927, 0.2366,
0.3400


 83.0242, 0.2508,
0.3364


 78.8266, 0.2324,
0.3418

 85.3703, 0.2607,
0.3347

 78.2280, 0.2301,
0.3435

 88.2496, 0.2722,
0.3331

 77.9199, 0.2293,
0.3453

 91.6930, 0.2851,
0.3316

■ 77.9008, 0.2293,
0.3454

■ 95.7290, 0.2991,
0.3302

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.



81.1785, 0.2799, 0.3860



81.1785, 0.2427, 0.3382



81.1785, 0.2243, 0.2921

Triad

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



81.1785, 0.2427, 0.3382



81.1785, 0.2915, 0.2575



81.1785, 0.4047, 0.3903

Complementary

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



81.1785, 0.2427, 0.3382



32.3260, 0.4891, 0.3219

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.



81.1785, 0.4100, 0.3535



81.1785, 0.2427, 0.3382



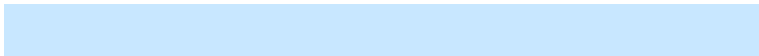
81.1785, 0.3417, 0.2805

Square

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



81.1785, 0.2427, 0.3382



81.1785, 0.2507, 0.2502



81.1785, 0.3864, 0.3145



81.1785, 0.3738, 0.4148

Rectangle

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



81.1785, 0.2427, 0.3382



81.1785, 0.2239, 0.2695



81.1785, 0.3864, 0.3145



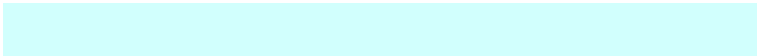
81.1785, 0.4097, 0.3788

Sweetspot

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



81.1776, 0.2427, 0.3382



92.1544, 0.2868, 0.3314



76.0997, 0.3081, 0.5187



19.4930, 0.2829, 0.3319



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.



81.1776, 0.2427, 0.3382



79.5918, 0.2357, 0.3403



46.7977, 0.2211, 0.2459



20.4639, 0.2987, 0.3302



40.7121, 0.2292, 0.3451



3.9689, 0.2286, 0.3431

Inverse Universe

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



32.3260, 0.4891, 0.3219



26.7837, 0.5446, 0.3222



50.7924, 0.4509, 0.3949



18.0027, 0.3286, 0.3278



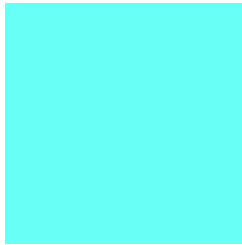
11.1310, 0.6348, 0.3270



1.0890, 0.6223, 0.3202

Previews

White Background



This preview shows how the Yxy color 81.1785, 0.2427, 0.3382 looks on a white background.

Color Contrast Check

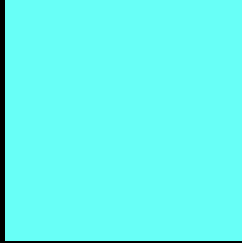
Large Text (above 18pt) WCAG AA × Fail

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 81.1785, 0.2427, 0.3382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

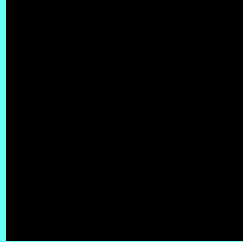
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

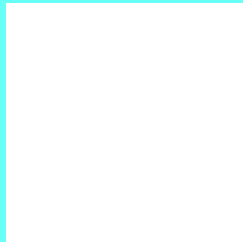
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1785, 0.2427, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 81.1785, 0.2427, 0.3382.

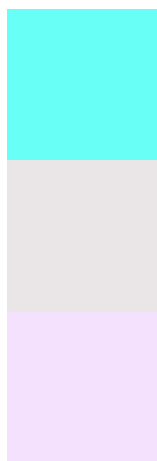


This preview shows how white text looks on a background with the Yxy color 81.1785, 0.2427, 0.3382.

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

81.1785, 0.2427, 0.3382

Protanopia

79.9122, 0.3142, 0.3269

Deuteranopia

80.0609, 0.3066, 0.3001



Tritanopia

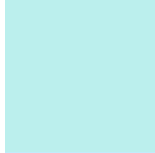
80.5513, 0.2666, 0.3157

Trichromacy



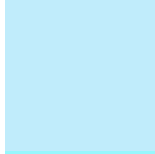
Original Color

81.1785, 0.2427, 0.3382



Protanomaly

78.4122, 0.2814, 0.3311



Deuteranomaly

78.1624, 0.2766, 0.3126



Tritanomaly

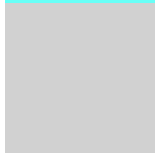
80.0338, 0.2560, 0.3232

Monochromacy



Original Color

81.1785, 0.2427, 0.3382



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.3784, 0.2786, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1785, 0.2427, 0.3382 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(104, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 247)  
}
```

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(104, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 81.1785, 0.2427, 0.3382 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(104, 255, 247) }
```

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

```
.border{ border-color:rgb(104, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1785, 0.2427, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 247) }
```

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

```
.background{ background-color: rgb(104,  
255, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor