

Converting Colors

$Yxy(81.6987, 0.2670, 0.3742)$

Have a look what the booklet for
Yxy(81.6987, 0.2670, 0.3742)
contains.

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Color

Yxy(81.6807, 0.2670, 0.3742)

Conversions

Conversions Part 1

Format	Color
Hex	87FFD9
RGB	135, 255, 217
RGB Percent	53%, 100%, 85%
CMY	0.4703, 0.0000, 0.1491
CMYK	0.47, 0.00, 0.15, 0.00
HSL	161°, 100%, 76%
HSV	161°, 47%, 100%
XYZ	58.2810, 81.6807, 78.3192
YIQ	214.7880, -59.3220, -37.2580

Conversions

Conversions Part 2

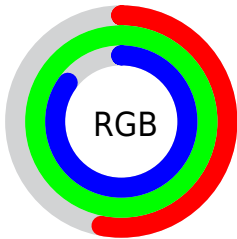
Format	Color
RYB	135, 206, 255
Decimal	8912857
CIELab	92.43, -42.60, 7.76
CIELCh	92, 43.305, 169.681
Yxy	81.6807, 0.2670, 0.3742
Android (android.graphics.Color)	4287102937 (0xFF87FFD9)
YUV	214.7880, 1.0905, -69.9741
Hunter-Lab	90.3774, -43.0524, 11.8847

Details

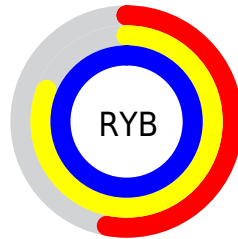
The Yxy color **81.6807, 0.2670, 0.3742** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.6284, 0.3999, 0.2897**, and the grayscale version is **67.8384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **44.4927, 0.2568, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **79.4043, 0.2606, 0.3859**, and if you desaturate by 10%, it is **84.4908, 0.2749, 0.3631**.

Distribution



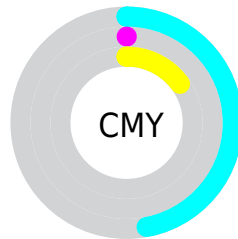
- Red (53%)
- Green (100%)
- Blue (85%)



- Red (53%)
- Yellow (81%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6807, 0.2670, 0.3742 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 81.6807, 0.2670, 0.3742 by changing the saturation by 10% instead.

 81.6807, 0.2670,
0.3742


 81.6807, 0.2670,
0.3742


500.5790, 0.2879,
0.3531

 61.1024, 0.2623,
0.3790


 135.7261, 0.2742,
0.3669

 44.3078, 0.2565,
0.3851


 169.9621, 0.2770,
0.3640

 30.9126, 0.2492,
0.3927


209.5193, 0.2795,
0.3616

 20.5323, 0.2397,
0.4027

254.7822, 0.2816,
0.3594

 12.7825, 0.2270,
0.4164

306.1353, 0.2835,
0.3576

 7.2790, 0.2091,
0.4363

363.9628, 0.2851,

 3.6372, 0.1821,

0.3559

0.4675

428.6493, 0.2866,
0.3544

■ 1.4727, 0.0994,
0.5460

■ 0.2694, 0.0000,
1.0000

■ 81.6807, 0.2670,
0.3742

■ 81.6807, 0.2670,
0.3742

■ 79.4043, 0.2606,
0.3859

■ 84.4908, 0.2749,
0.3631

■ 77.6147, 0.2561,
0.3979

■ 87.8582, 0.2841,
0.3528

■ 76.2732, 0.2535,
0.4102

■ 91.8167, 0.2942,
0.3433

■ 75.3306, 0.2530,
0.4225

■ 96.3947, 0.3049,
0.3346

■ 74.7239, 0.2544,
0.4346

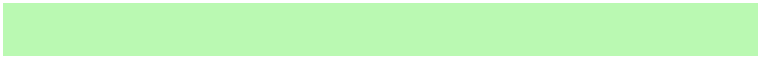
99.9989, 0.3127,
0.3290

■ 74.5805, 0.2550,
0.4381

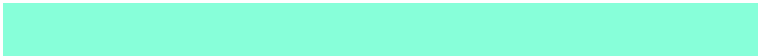
Harmonies

Analogous

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



81.6807, 0.3137, 0.4112



81.6807, 0.2670, 0.3742



81.6807, 0.2341, 0.3240

Triad

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



81.6807, 0.2670, 0.3742



81.6807, 0.2599, 0.2494



81.6807, 0.4131, 0.3650

Complementary

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



81.6807, 0.2670, 0.3742



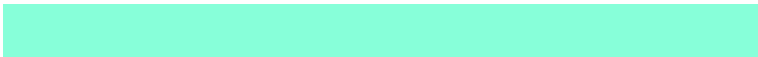
41.6284, 0.3999, 0.2897

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.



81.6807, 0.3973, 0.3252



81.6807, 0.2670, 0.3742



81.6807, 0.3052, 0.2616

Square

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



81.6807, 0.2670, 0.3742



81.6807, 0.2306, 0.2551



81.6807, 0.3564, 0.2886



81.6807, 0.3995, 0.4000

Rectangle

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



81.6807, 0.2670, 0.3742



81.6807, 0.2234, 0.2934



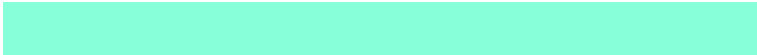
81.6807, 0.3564, 0.2886



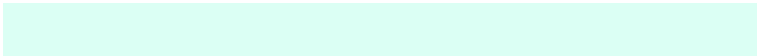
81.6807, 0.4112, 0.3518

Sweetspot

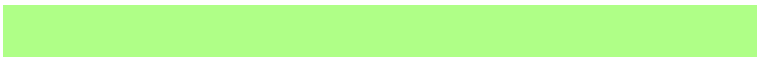
The Sweet Spot groups the original color and five complimentary colors.



81.6840, 0.2670, 0.3742



93.1389, 0.2974, 0.3405



82.3895, 0.3285, 0.4681



19.7330, 0.2951, 0.3425



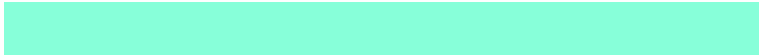
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.6840, 0.2670, 0.3742



79.6171, 0.2612, 0.3846



71.7993, 0.2458, 0.3055



20.3777, 0.3022, 0.3366



38.9988, 0.2545, 0.4361



3.8170, 0.2507, 0.4224

Inverse Universe

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



41.6284, 0.3999, 0.2897



35.3432, 0.4266, 0.2835



46.4733, 0.4321, 0.3502



18.0820, 0.3244, 0.3215



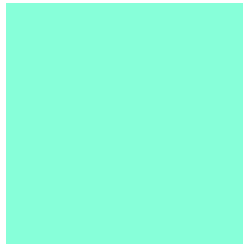
11.4419, 0.5707, 0.2918



1.1329, 0.5387, 0.2742

Previews

White Background



This preview shows how the Yxy color 81.6807, 0.2670, 0.3742 looks on a white background.

Color Contrast Check

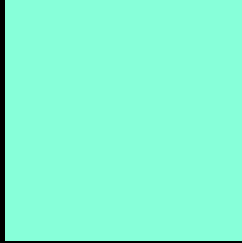
Large Text (above 18pt) WCAG AA × Fail

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 81.6807, 0.2670, 0.3742 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 81.6807, 0.2670, 0.3742

Background



This preview shows how black text looks on a background with the Yxy color 81.6807, 0.2670, 0.3742.

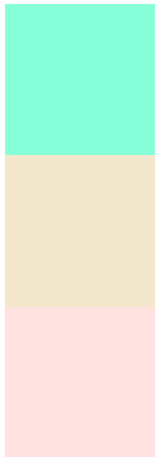


This preview shows how white text looks on a background with the Yxy color 81.6807, 0.2670, 0.3742.

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

81.6807, 0.2670, 0.3742

Protanopia

80.3887, 0.3380, 0.3571

Deuteranopia

80.4922, 0.3347, 0.3301



Tritanopia

81.1634, 0.2717, 0.3148

Trichromacy



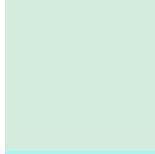
Original Color

81.6807, 0.2670, 0.3742



Protanomaly

79.6201, 0.3072, 0.3635



Deuteranomaly

79.0602, 0.3053, 0.3453



Tritanomaly

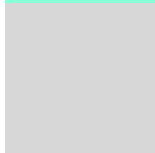
81.0879, 0.2693, 0.3356

Monochromacy



Original Color

81.6807, 0.2670, 0.3742



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.9906, 0.2922, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6807, 0.2670, 0.3742 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(135, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 217)  
}
```

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(135, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 81.6807, 0.2670, 0.3742 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(135, 255, 217) }
```

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

```
.border{ border-color:rgb(135, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6807, 0.2670, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 217) }
```

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

```
.background{ background-color: rgb(135,  
255, 217) }
```

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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