

Converting Colors

$Y_{xy}(81.5050, 0.2687, 0.3787)$

Have a look what the booklet for
Yxy(81.5050, 0.2687, 0.3787)
contains.

Yxy(81.4750, 0.2688, 0.3792)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.4750, 0.2688, 0.3792)

Conversions

Conversions Part 1

Format	Color
Hex	87FFD5
RGB	135, 255, 213
RGB Percent	53%, 100%, 84%
CMY	0.4708, 0.0000, 0.1647
CMYK	0.47, 0.00, 0.16, 0.00
HSL	159°, 100%, 76%
HSV	159°, 47%, 100%
XYZ	57.7544, 81.4750, 75.6308
YIQ	214.3320, -58.0380, -38.5020

Conversions

Conversions Part 2

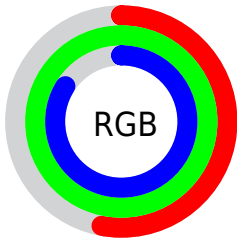
Format	Color
RYB	135, 208, 255
Decimal	8912853
CIELab	92.34, -43.50, 9.67
CIELCh	92, 44.558, 167.460
Yxy	81.4750, 0.2688, 0.3792
Android (android.graphics.Color)	4287102933 (0xFF87FFD5)
YUV	214.3320, -0.6567, -69.5742
Hunter-Lab	90.2635, -43.7492, 13.5060

Details

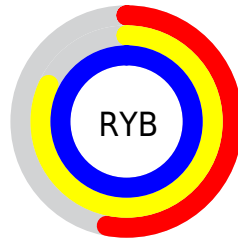
The Yxy color **81.4750, 0.2688, 0.3792** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.7443, 0.3957, 0.2856**, and the grayscale version is **67.5015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **44.3526, 0.2590, 0.3925** is the 20% darker color. If you saturate the color by 10%, you get **79.1628, 0.2627, 0.3922**, and if you desaturate by 10%, it is **84.3090, 0.2764, 0.3669**.

Distribution



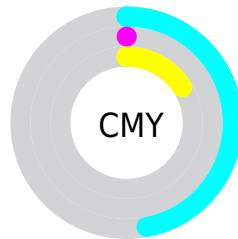
- Red (53%)
- Green (100%)
- Blue (84%)



- Red (53%)
- Yellow (82%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4750, 0.2688, 0.3792 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 81.4750, 0.2688, 0.3792 by changing the saturation by 10% instead.


 81.4750, 0.2688,
0.3792


 81.4750, 0.2688,
0.3792


499.8899, 0.2890,
0.3557

 60.9329, 0.2642,
0.3846


 135.4375, 0.2758,
0.3710

 44.1710, 0.2586,
0.3914


 169.6267, 0.2785,
0.3678

 30.8050, 0.2514,
0.4000


209.1337, 0.2809,
0.3651

 20.4504, 0.2421,
0.4114

254.3430, 0.2829,
0.3627

 12.7229, 0.2296,
0.4271

305.6388, 0.2847,
0.3606

 7.2380, 0.2118,
0.4499

363.4056, 0.2863,

 3.6114, 0.1848,

0.3588

0.4860

428.0279, 0.2878,
0.3571

■ 1.4586, 0.0945,
0.5818

■ 0.2593, 0.0000,
1.0000

■ 81.4750, 0.2688,
0.3792

■ 81.4750, 0.2688,
0.3792

■ 79.1628, 0.2627,
0.3922

■ 84.3090, 0.2764,
0.3669

■ 77.3494, 0.2584,
0.4056

■ 87.7126, 0.2852,
0.3554

■ 75.9881, 0.2562,
0.4193

■ 91.7116, 0.2949,
0.3448

■ 75.0293, 0.2560,
0.4330

■ 96.3346, 0.3052,
0.3352

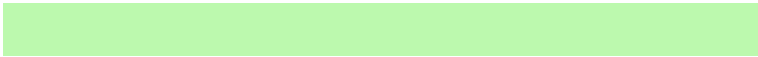
■ 74.4099, 0.2577, 100.0000, 0.3127,
0.4464 0.3290

■ 74.2654, 0.2584,
0.4502

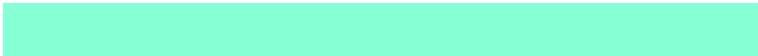
Harmonies

Analogous

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



81.4750, 0.3174, 0.4156



81.4750, 0.2688, 0.3792



81.4750, 0.2338, 0.3275

Triad

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



81.4750, 0.2688, 0.3792



81.4750, 0.2555, 0.2470



81.4750, 0.4160, 0.3628

Complementary

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



81.4750, 0.2688, 0.3792



41.7443, 0.3957, 0.2856

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.



81.4750, 0.3974, 0.3220



81.4750, 0.2688, 0.3792



81.4750, 0.3011, 0.2584

Square

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



81.4750, 0.2688, 0.3792



81.4750, 0.2270, 0.2543



81.4750, 0.3539, 0.2850



81.4750, 0.4039, 0.3996

Rectangle

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



81.4750, 0.2688, 0.3792



81.4750, 0.2217, 0.2954



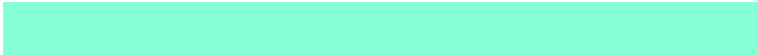
81.4750, 0.3539, 0.2850



81.4750, 0.4132, 0.3492

Sweetspot

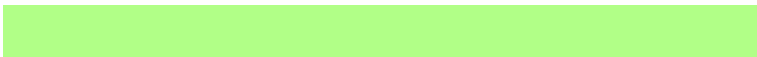
The Sweet Spot groups the original color and five complimentary colors.



81.4702, 0.2688, 0.3792



93.0682, 0.2981, 0.3417



82.6105, 0.3298, 0.4677



19.7157, 0.2959, 0.3439



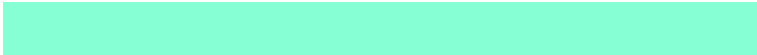
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.4702, 0.2688, 0.3792



79.3877, 0.2633, 0.3907



72.9297, 0.2462, 0.3079



20.3672, 0.3027, 0.3374



38.8346, 0.2578, 0.4480



3.8019, 0.2536, 0.4328

Inverse Universe

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



41.7443, 0.3957, 0.2856



35.5068, 0.4207, 0.2787



45.7745, 0.4334, 0.3481



18.0920, 0.3239, 0.3207



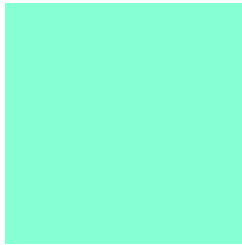
11.5130, 0.5584, 0.2850



1.1407, 0.5268, 0.2676

Previews

White Background



This preview shows how the Yxy color 81.4750, 0.2688, 0.3792 looks on a white background.

Color Contrast Check

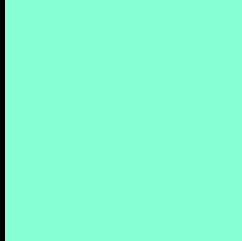
Large Text (above 18pt) WCAG AA × Fail

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 81.4750, 0.2688, 0.3792 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

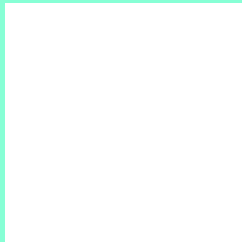
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4750, 0.2688, 0.3792

Background



This preview shows how black text looks on a background with the Yxy color 81.4750, 0.2688, 0.3792.

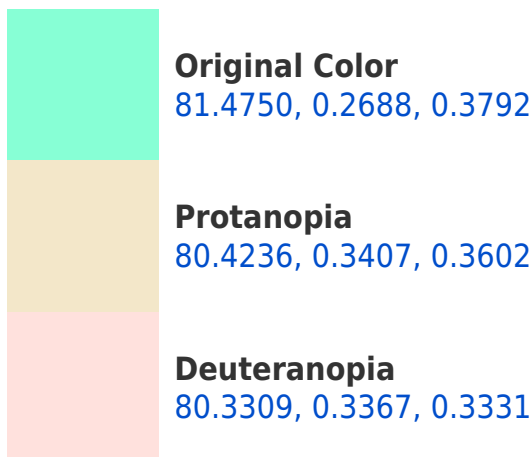


This preview shows how white text looks on a background with the Yxy color 81.4750, 0.2688, 0.3792.

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





Tritanopia

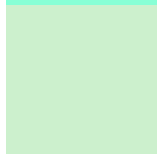
81.0385, 0.2712, 0.3148

Trichromacy



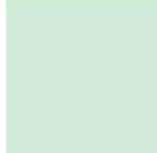
Original Color

81.4750, 0.2688, 0.3792



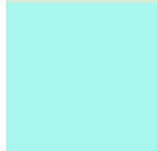
Protanomaly

79.5653, 0.3102, 0.3680



Deuteranomaly

78.9017, 0.3072, 0.3486



Tritanomaly

81.0283, 0.2698, 0.3368

Monochromacy



Original Color

81.4750, 0.2688, 0.3792



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2080, 0.2927, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4750, 0.2688, 0.3792 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 81.4750, 0.2688, 0.3792 is called "border". The border property can be set on classes, ids or directly on the HTML element.

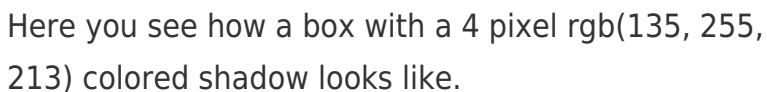
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 255, 213) }
```

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

```
.border{ border-color:rgb(135, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 255, 213); box-shadow:4px 4px 4px 4px rgb(135, 255, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4750, 0.2688, 0.3792 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, 213) }
```

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

```
.background{ background-color: rgb(135,  
255, 213) }
```

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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