

Converting Colors

$Yxy(80.7850, 0.2648, 0.3790)$

Have a look what the booklet for
Yxy(80.7850, 0.2648, 0.3790)
contains.

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Color

Yxy(80.8107, 0.2646, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	7EFFD6
RGB	126, 255, 214
RGB Percent	49%, 100%, 84%
CMY	0.5057, 0.0000, 0.1608
CMYK	0.51, 0.00, 0.16, 0.00
HSL	161°, 100%, 75%
HSV	161°, 51%, 100%
XYZ	56.5077, 80.8107, 76.2405
YIQ	211.7550, -63.7230, -40.0990

Conversions

Conversions Part 2

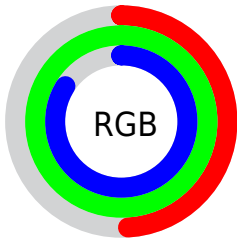
Format	Color
RYB	126, 203, 255
Decimal	8323030
CIELab	92.05, -45.29, 8.69
CIELCh	92, 46.118, 169.138
Yxy	80.8107, 0.2646, 0.3784
Android (android.graphics.Color)	4286513110 (0xFF7EFFD6)
YUV	211.7550, 1.1068, -75.2071
Hunter-Lab	89.8948, -45.1111, 12.6420

Details

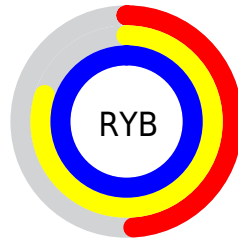
The Yxy color **80.8107, 0.2646, 0.3784** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.9870, 0.4099, 0.2870**, and the grayscale version is **65.7018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **43.9155, 0.2536, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **78.7112, 0.2588, 0.3903**, and if you desaturate by 10%, it is **83.4312, 0.2720, 0.3671**.

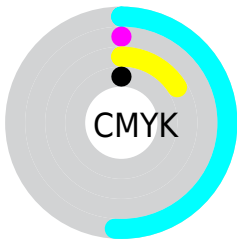
Distribution



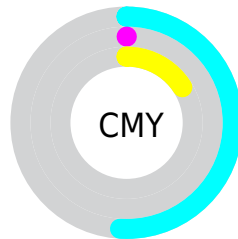
- Red (49%)
- Green (100%)
- Blue (84%)



- Red (49%)
- Yellow (80%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8107, 0.2646, 0.3784 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 80.8107, 0.2646, 0.3784 by changing the saturation by 10% instead.

 80.8107, 0.2646,
0.3784

 80.8107, 0.2646,
0.3784

497.6608, 0.2867,
0.3553

 60.3857, 0.2596,
0.3838


 134.5049, 0.2722,
0.3703

 43.7296, 0.2534,
0.3904


 168.5430, 0.2752,
0.3672

 30.4580, 0.2457,
0.3989


 207.8875, 0.2778,
0.3645

 20.1865, 0.2356,
0.4100

252.9228, 0.2800,
0.3622

 12.5307, 0.2221,
0.4253

304.0334, 0.2820,
0.3601

 7.1062, 0.2029,
0.4476

361.6037, 0.2838,

 3.5286, 0.1740,

0.3583

426.0180, 0.2853,
0.3567

0.4828

1.4135, 0.0669,
0.5841

0.2267, 0.0000,
1.0000

80.8107, 0.2646,
0.3784

80.8107, 0.2646,
0.3784

78.7112, 0.2588,
0.3903

83.4312, 0.2720,
0.3671

77.0846, 0.2550,
0.4025

86.5978, 0.2808,
0.3564

75.8897, 0.2532,
0.4148

90.3450, 0.2906,
0.3466

75.0737, 0.2534,
0.4271

94.7020, 0.3011,
0.3376

 74.5722, 0.2551,
0.4385

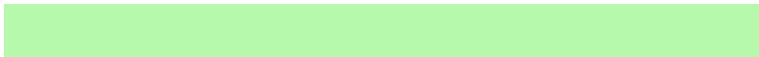
99.6958, 0.3121,
0.3294

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



80.8107, 0.3144, 0.4178



80.8107, 0.2646, 0.3784



80.8107, 0.2295, 0.3243

Triad

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



80.8107, 0.2646, 0.3784



80.8107, 0.2557, 0.2444



80.8107, 0.4200, 0.3660

Complementary

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



80.8107, 0.2646, 0.3784



38.9870, 0.4099, 0.2870

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.



80.8107, 0.4026, 0.3239



80.8107, 0.2646, 0.3784



80.8107, 0.3036, 0.2572

Square

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



80.8107, 0.2646, 0.3784



80.8107, 0.2251, 0.2506



80.8107, 0.3583, 0.2854



80.8107, 0.4056, 0.4038

Rectangle

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



80.8107, 0.2646, 0.3784



80.8107, 0.2180, 0.2915



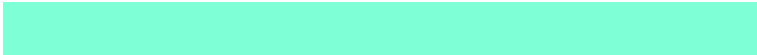
80.8107, 0.3583, 0.2854



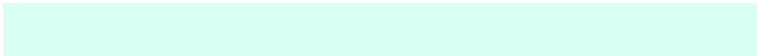
80.8107, 0.4178, 0.3520

Sweetspot

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



80.8139, 0.2646, 0.3784



92.6948, 0.2964, 0.3415



81.4656, 0.3290, 0.4795



19.6453, 0.2942, 0.3434



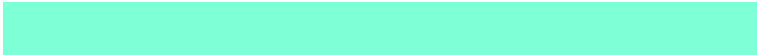
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.8139, 0.2646, 0.3784



78.6324, 0.2586, 0.3908



70.2252, 0.2418, 0.3035



20.3774, 0.3023, 0.3367



38.9946, 0.2546, 0.4364



3.8166, 0.2507, 0.4226

Inverse Universe

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



38.9870, 0.4099, 0.2870



32.4359, 0.4427, 0.2807



43.8047, 0.4456, 0.3515



18.0822, 0.3244, 0.3215



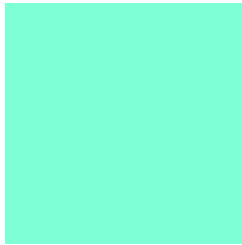
11.4436, 0.5704, 0.2916



1.1331, 0.5384, 0.2740

Previews

White Background



This preview shows how the Yxy color 80.8107, 0.2646, 0.3784 looks on a white background.

Color Contrast Check

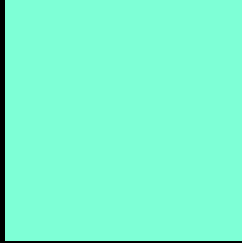
Large Text (above 18pt) WCAG AA × Fail

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 80.8107, 0.2646, 0.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

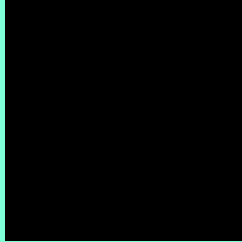
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8107, 0.2646, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 80.8107, 0.2646, 0.3784.

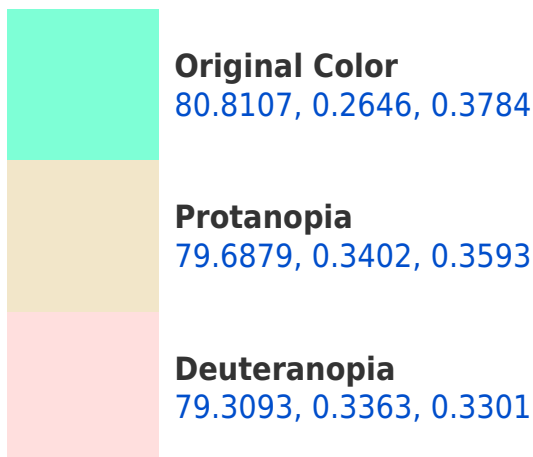


This preview shows how white text looks on a background with the Yxy color 80.8107, 0.2646, 0.3784.

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

80.4276, 0.2685, 0.3147

Trichromacy



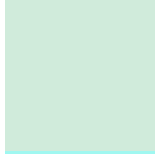
Original Color

80.8107, 0.2646, 0.3784



Protanomaly

78.4686, 0.3071, 0.3661



Deuteranomaly

77.9410, 0.3046, 0.3466



Tritanomaly

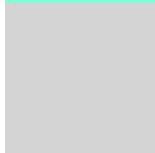
80.2864, 0.2663, 0.3368

Monochromacy



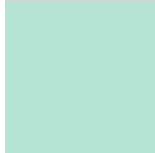
Original Color

80.8107, 0.2646, 0.3784



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1147, 0.2907, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8107, 0.2646, 0.3784 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(126, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 214)  
}
```

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(126, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 80.8107, 0.2646, 0.3784 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(126, 255, 214) }
```

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

```
.border{ border-color:rgb(126, 255, 214) }
```

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

Here you see how a box with a 4 pixel rgb(126, 255, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8107, 0.2646, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 214) }
```

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

```
.background{ background-color: rgb(126,  
255, 214) }
```

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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