

Converting Colors

$Yxy(78.5504, 0.2804, 0.4275)$

Have a look what the booklet for
Yxy(78.5504, 0.2804, 0.4275)
contains.

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Color

Yxy(78.7922, 0.2806, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	7AFFB0
RGB	122, 255, 176
RGB Percent	48%, 100%, 69%
CMY	0.5216, 0.0000, 0.3099
CMYK	0.52, 0.00, 0.31, 0.00
HSL	144°, 100%, 74%
HSV	144°, 52%, 100%
XYZ	51.6206, 78.7922, 53.5522
YIQ	206.2270, -53.9090, -52.7650

Conversions

Conversions Part 2

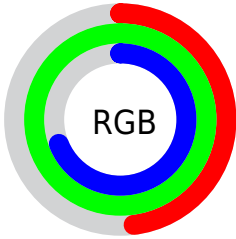
Format	Color
RYB	122, 217, 255
Decimal	8060848
CIELab	91.14, -53.87, 26.85
CIELCh	91, 60.192, 153.504
Yxy	78.7922, 0.2806, 0.4283
Android (android.graphics.Color)	4286250928 (0xFF7AFFB0)
YUV	206.2270, -14.9019, -73.8671
Hunter-Lab	88.7650, -51.5334, 26.3656

Details

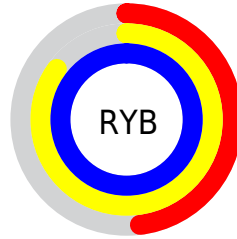
The Yxy color **78.7922, 0.2806, 0.4283** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **39.3963, 0.3720, 0.2495**, and the grayscale version is **61.9954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2913, 0.2825, 0.3542**, and **42.2324, 0.2712, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **76.6013, 0.2774, 0.4517**, and if you desaturate by 10%, it is **81.5366, 0.2852, 0.4058**.

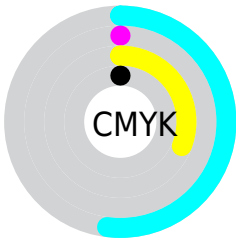
Distribution



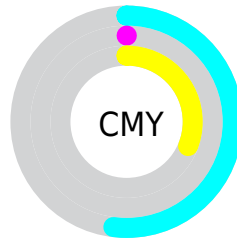
- Red (48%)
- Green (100%)
- Blue (69%)



- Red (48%)
- Yellow (85%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7922, 0.2806, 0.4283 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 78.7922, 0.2806, 0.4283 by changing the saturation by 10% instead.


 78.7922, 0.2806,
0.4283

 78.7922, 0.2806,
0.4283


490.8531, 0.2968,
0.3800


 58.7250, 0.2766,
0.4399

 131.6663, 0.2865,
0.4111

 42.3918, 0.2715,
0.4544


 165.2419, 0.2887,
0.4045

 29.4082, 0.2647,
0.4733


 204.0892, 0.2905,
0.3989

 19.3898, 0.2555,
0.4986

248.5924, 0.2921,
0.3941

 11.9523, 0.2421,
0.5341

299.1360, 0.2935,
0.3899

 6.7112, 0.2214,
0.5868


356.1044, 0.2947,


 3.2821, 0.1873,

0.3862

0.6748


419.8820, 0.2958,
0.3829

 1.2808, 0.0000,
1.0000


 0.1262, 0.0000,
1.0000


 78.7922, 0.2806,
0.4283


 78.7922, 0.2806,
0.4283


 76.6013, 0.2774,
0.4517


 81.5366, 0.2852,
0.4058


 74.9250, 0.2760,
0.4752

 84.8740, 0.2909,
0.3847


 73.7154, 0.2765,
0.4980

 88.8371, 0.2973,
0.3653

 72.9154, 0.2789,
0.5192

 93.4570, 0.3041,
0.3478

 72.5094, 0.2818,
0.5344

 98.7626, 0.3112,
0.3321

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.



78.7922, 0.3484, 0.4586



78.7922, 0.2806, 0.4283



78.7922, 0.2250, 0.3596

Triad

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



78.7922, 0.2806, 0.4283



78.7922, 0.2159, 0.2218



78.7922, 0.4473, 0.3453

Complementary

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



78.7922, 0.2806, 0.4283



39.3963, 0.3720, 0.2495

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.



78.7922, 0.4038, 0.2944



78.7922, 0.2806, 0.4283



78.7922, 0.2655, 0.2268

Square

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



78.7922, 0.2806, 0.4283



78.7922, 0.1918, 0.2415



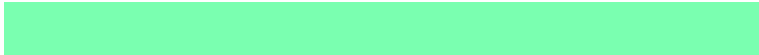
78.7922, 0.3342, 0.2526



78.7922, 0.4481, 0.3979

Rectangle

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



78.7922, 0.2806, 0.4283



78.7922, 0.2015, 0.3106



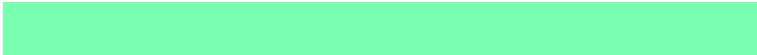
78.7922, 0.3342, 0.2526



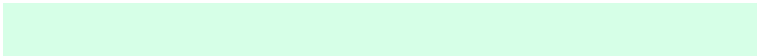
78.7922, 0.4372, 0.3278

Sweetspot

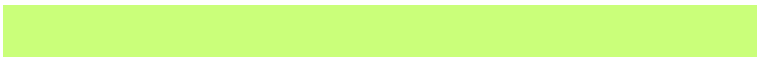
The Sweet Spot groups the original color and five complimentary colors.



78.7914, 0.2806, 0.4283



91.6023, 0.3015, 0.3543



85.4537, 0.3521, 0.4732



19.4028, 0.3000, 0.3579



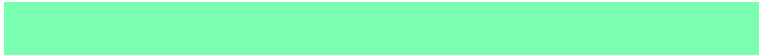
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.7914, 0.2806, 0.4283



76.4408, 0.2773, 0.4536



82.0502, 0.2508, 0.3444



20.2904, 0.3060, 0.3435



37.9155, 0.2809, 0.5313



3.7127, 0.2746, 0.5087

Inverse Universe

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



39.3963, 0.3720, 0.2495



33.0364, 0.3905, 0.2365



36.9363, 0.4498, 0.3159



18.1682, 0.3201, 0.3150



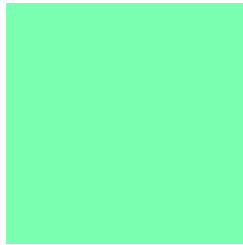
12.3151, 0.4569, 0.2290



1.2208, 0.4371, 0.2181

Previews

White Background



This preview shows how the Yxy color 78.7922, 0.2806, 0.4283 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 78.7922, 0.2806, 0.4283 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

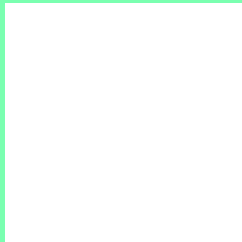
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7922, 0.2806, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 78.7922, 0.2806, 0.4283.



This preview shows how white text looks on a background with the Yxy color 78.7922, 0.2806, 0.4283.

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

78.7922, 0.2806, 0.4283

Protanopia

77.5796, 0.3679, 0.3959

Deuteranopia

77.5798, 0.3534, 0.3535



Tritanopia

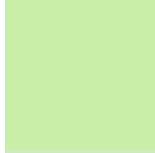
78.1981, 0.2636, 0.3123

Trichromacy



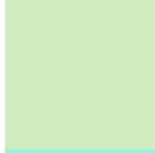
Original Color

78.7922, 0.2806, 0.4283



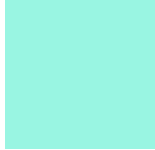
Protanomaly

76.2556, 0.3300, 0.4094



Deuteranomaly

75.8287, 0.3219, 0.3787



Tritanomaly

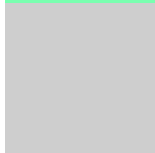
77.5681, 0.2695, 0.3512

Monochromacy



Original Color

78.7922, 0.2806, 0.4283



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.3654, 0.2975, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7922, 0.2806, 0.4283 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(122, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 176)  
}
```

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(122, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 78.7922, 0.2806, 0.4283 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(122, 255, 176) }
```

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

```
.border{ border-color:rgb(122, 255, 176) }
```

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

Here you see how a box with a 4 pixel rgb(122, 255, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7922, 0.2806, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 176) }
```

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

```
.background{ background-color: rgb(122,  
255, 176) }
```

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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