

Converting Colors

$Yxy(80.2204, 0.2887, 0.4257)$

Have a look what the booklet for
Yxy(80.2204, 0.2887, 0.4257)
contains.

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Color

Yxy(80.2300, 0.2889, 0.4260)

Conversions

Conversions Part 1

Format	Color
Hex	8CFFB0
RGB	140, 255, 176
RGB Percent	55%, 100%, 69%
CMY	0.4510, 0.0000, 0.3098
CMYK	0.45, 0.00, 0.31, 0.00
HSL	139°, 100%, 77%
HSV	139°, 45%, 100%
XYZ	54.4095, 80.2300, 53.6938
YIQ	211.6090, -43.1810, -48.9490

Conversions

Conversions Part 2

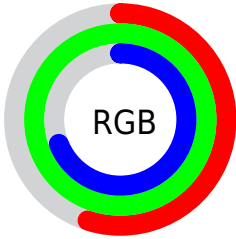
Format	Color
RYB	140, 228, 255
Decimal	9240496
CIELab	91.79, -49.44, 27.83
CIELCh	92, 56.738, 150.625
Yxy	80.2300, 0.2889, 0.4260
Android (android.graphics.Color)	4287430576 (0xFF8CFFB0)
YUV	211.6090, -17.5552, -62.8011
Hunter-Lab	89.5712, -48.3208, 27.1582

Details

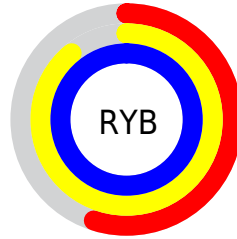
The Yxy color **80.2300, 0.2889, 0.4260** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.1245, 0.3505, 0.2495**, and the grayscale version is **65.7016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3520, 0.2913, 0.3536**, and **43.1119, 0.2815, 0.4505** is the 20% darker color. If you saturate the color by 10%, you get **77.6155, 0.2855, 0.4524**, and if you desaturate by 10%, it is **83.4447, 0.2934, 0.4009**.

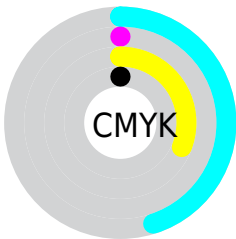
Distribution



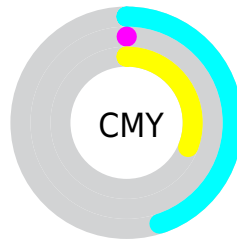
- Red (55%)
- Green (100%)
- Blue (69%)



- Red (55%)
- Yellow (89%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2300, 0.2889, 0.4260 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 80.2300, 0.2889, 0.4260 by changing the saturation by 10% instead.

 80.2300, 0.2889,
0.4260

 80.2300, 0.2889,
0.4260


495.7076, 0.3012,
0.3791

 59.9076, 0.2858,
0.4372


 133.6891, 0.2934,
0.4093

 43.3442, 0.2818,
0.4512


 167.5945, 0.2951,
0.4030

 30.1553, 0.2764,
0.4693


206.7965, 0.2965,
0.3975

 19.9565, 0.2689,
0.4935

251.6794, 0.2977,
0.3928

 12.3634, 0.2580,
0.5272

302.6275, 0.2988,
0.3887

 6.9917, 0.2407,
0.5769


360.0253, 0.2997,


 3.4569, 0.2115,

0.3851

0.6588


424.2572, 0.3005,
0.3819

 1.3747, 0.0237,
0.9763


 0.1979, 0.0000,
1.0000


 80.2300, 0.2889,
0.4260


 80.2300, 0.2889,
0.4260


 77.6155, 0.2855,
0.4524


 83.4447, 0.2934,
0.4009


 75.5654, 0.2834,
0.4793

 87.2989, 0.2985,
0.3776

 74.0344, 0.2829,
0.5054

 91.8244, 0.3041,
0.3566

 72.9713, 0.2842,
0.5297

 97.0517, 0.3098,
0.3378

■ 72.3135, 0.2871,
0.5507

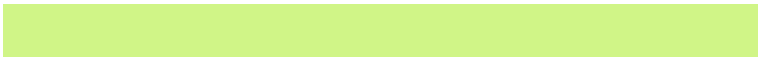
100.0000, 0.3127,
0.3290

■ 72.0972, 0.2888,
0.5597

Harmonies

Analogous

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



80.2300, 0.3531, 0.4504



80.2300, 0.2889, 0.4260



80.2300, 0.2345, 0.3646

Triad

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



80.2300, 0.2889, 0.4260



80.2300, 0.2181, 0.2285



80.2300, 0.4365, 0.3403

Complementary

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



80.2300, 0.2889, 0.4260



45.1245, 0.3505, 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.



80.2300, 0.3926, 0.2923



80.2300, 0.2889, 0.4260



80.2300, 0.2630, 0.2309

Square

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



80.2300, 0.2889, 0.4260



80.2300, 0.1975, 0.2500



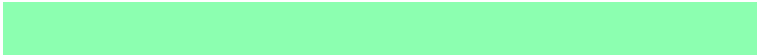
80.2300, 0.3266, 0.2537



80.2300, 0.4417, 0.3903

Rectangle

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



80.2300, 0.2889, 0.4260



80.2300, 0.2103, 0.3185



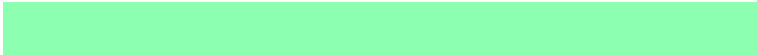
80.2300, 0.3266, 0.2537



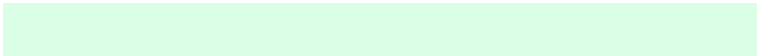
80.2300, 0.4257, 0.3237

Sweetspot

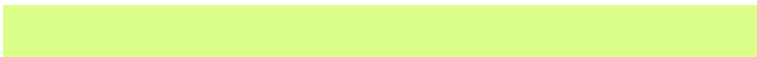
The Sweet Spot groups the original color and five complimentary colors.



80.2288, 0.2889, 0.4260



92.3669, 0.3047, 0.3544



88.7059, 0.3560, 0.4501



19.5452, 0.3035, 0.3587



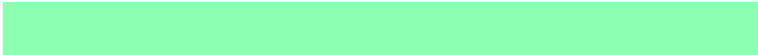
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.2288, 0.2889, 0.4260



77.8757, 0.2858, 0.4494



82.9200, 0.2622, 0.3556



20.2619, 0.3073, 0.3458



37.6959, 0.2880, 0.5568



3.6890, 0.2818, 0.5343

Inverse Universe

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



45.1245, 0.3505, 0.2495



38.7997, 0.3609, 0.2353



42.6551, 0.4095, 0.3052



18.1978, 0.3186, 0.3128



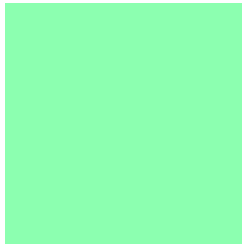
12.7571, 0.4199, 0.2087



1.2619, 0.4058, 0.2009

Previews

White Background



This preview shows how the Yxy color 80.2300, 0.2889, 0.4260 looks on a white background.

Color Contrast Check

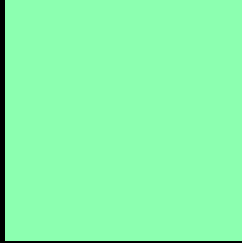
Large Text (above 18pt) WCAG AA × Fail

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 80.2300, 0.2889, 0.4260 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

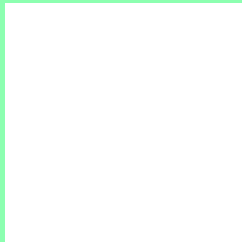
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2300, 0.2889, 0.4260

Background



This preview shows how black text looks on a background with the Yxy color 80.2300, 0.2889, 0.4260.

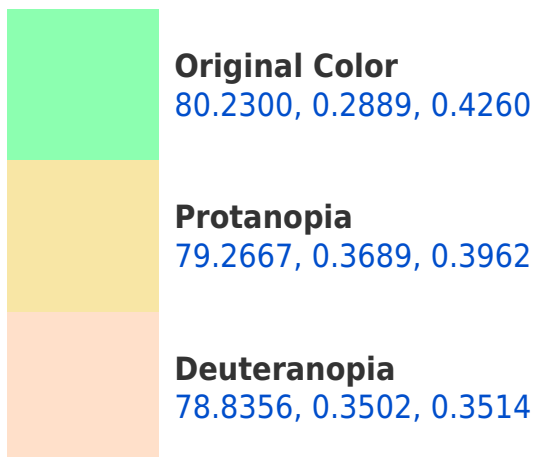


This preview shows how white text looks on a background with the Yxy color 80.2300, 0.2889, 0.4260.

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

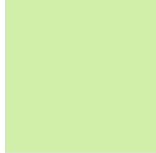
79.4853, 0.2693, 0.3125

Trichromacy



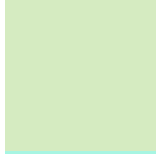
Original Color

80.2300, 0.2889, 0.4260



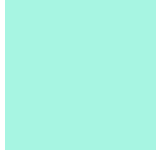
Protanomaly

78.1529, 0.3355, 0.4077



Deuteranomaly

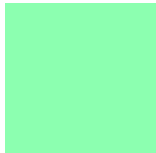
77.4131, 0.3240, 0.3757



Tritanomaly

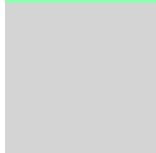
79.0113, 0.2767, 0.3508

Monochromacy



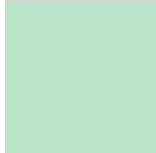
Original Color

80.2300, 0.2889, 0.4260



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.0494, 0.3023, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2300, 0.2889, 0.4260 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(140, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 80.2300, 0.2889, 0.4260 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(140, 255, 176) }
```

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

```
.border{ border-color:rgb(140, 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(140, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2300, 0.2889, 0.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 176) }
```

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

```
.background{ background-color: rgb(140,  
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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