

Converting Colors

$Y_{xy}(129.6005, 0.2945, 0.4549)$

Have a look what the booklet for
Yxy(129.6005, 0.2945, 0.4549)
contains.

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Color

Yxy(83.3076, 0.2923, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFC2
RGB	164, 255, 194
RGB Percent	64%, 100%, 76%
CMY	0.3570, 0.0000, 0.2393
CMYK	0.36, 0.00, 0.24, 0.00
HSL	140°, 100%, 82%
HSV	140°, 36%, 100%
XYZ	60.8010, 83.3076, 63.9004
YIQ	220.8370, -34.6550, -38.2630

Conversions

Conversions Part 2

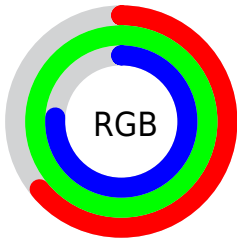
Format	Color
RYB	164, 232, 255
Decimal	10813378
CIELab	93.15, -39.65, 20.74
CIElCh	93, 44.748, 152.387
Yxy	83.3076, 0.2923, 0.4005
Android (android.graphics.Color)	4289003458 (0xFFA4FFC2)
YUV	220.8370, -13.2306, -49.8460
Hunter-Lab	91.2730, -40.8209, 22.3821

Details

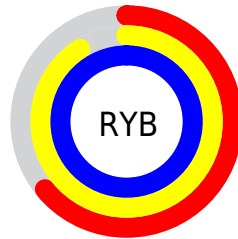
The Yxy color **83.3076, 0.2923, 0.4005** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.2375, 0.3418, 0.2672**, and the grayscale version is **72.2906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8572, 0.2944, 0.3330**, and **45.4698, 0.2867, 0.4190** is the 20% darker color. If you saturate the color by 10%, you get **80.1335, 0.2877, 0.4251**, and if you desaturate by 10%, it is **87.1063, 0.2976, 0.3777**.

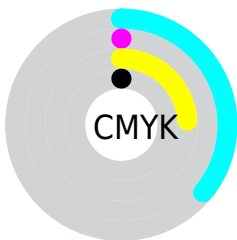
Distribution



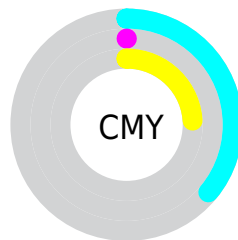
- Red (64%)
- Green (100%)
- Blue (76%)



- Red (64%)
- Yellow (91%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3076, 0.2923, 0.4005 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 83.3076, 0.2923, 0.4005 by changing the saturation by 10% instead.


 83.3076, 0.2923,
0.4005


 83.3076, 0.2923,
0.4005


506.0111, 0.3023,
0.3666

 62.4439, 0.2899,
0.4084


 138.0062, 0.2959,
0.3886

 45.3915, 0.2868,
0.4183

 172.6099, 0.2973,
0.3840

 31.7659, 0.2828,
0.4310


212.5625, 0.2984,
0.3800

 21.1828, 0.2774,
0.4478

258.2482, 0.2994,
0.3766

 13.2577, 0.2696,
0.4711

310.0515, 0.3003,
0.3736

 7.6062, 0.2579,
0.5052

368.3569, 0.3011,

 3.8440, 0.2381,

0.3710

0.5594

433.5486, 0.3017,
0.3687

■ 1.5867, 0.1945,
0.7424

■ 0.3486, 0.0000,
1.0000

■ 83.3076, 0.2923,
0.4005

■ 83.3076, 0.2923,
0.4005

■ 80.1335, 0.2877,
0.4251

■ 87.1063, 0.2976,
0.3777

■ 77.5597, 0.2843,
0.4509

■ 91.5738, 0.3034,
0.3571

■ 75.5431, 0.2822,
0.4772

■ 96.7369, 0.3093,
0.3386

■ 74.0393, 0.2818,
0.5029

100.0000, 0.3127,
0.3290

■ 72.9972, 0.2831,
0.5267

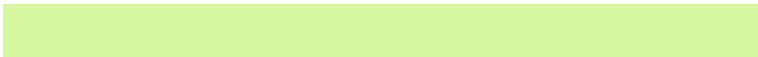
■ 72.3534, 0.2861,
0.5476

■ 72.1610, 0.2877,
0.5556

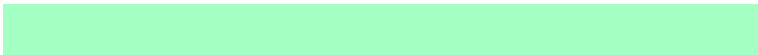
Harmonies

Analogous

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



83.3076, 0.3431, 0.4222



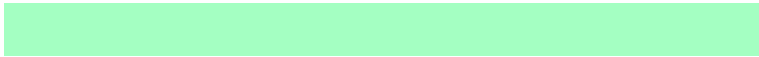
83.3076, 0.2923, 0.4005



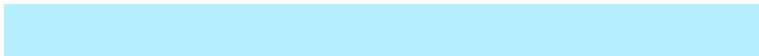
83.3076, 0.2493, 0.3539

Triad

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



83.3076, 0.2923, 0.4005



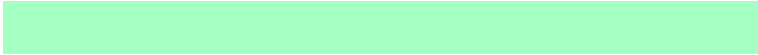
83.3076, 0.2389, 0.2484



83.3076, 0.4101, 0.3422

Complementary

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



83.3076, 0.2923, 0.4005



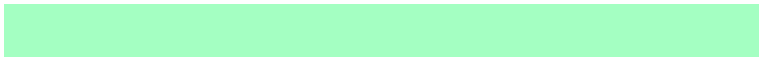
53.2375, 0.3418, 0.2672

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.



83.3076, 0.3776, 0.3026



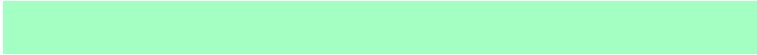
83.3076, 0.2923, 0.4005



83.3076, 0.2766, 0.2507

Square

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



83.3076, 0.2923, 0.4005



83.3076, 0.2207, 0.2658



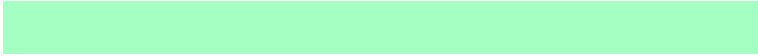
83.3076, 0.3273, 0.2702



83.3076, 0.4133, 0.3821

Rectangle

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



83.3076, 0.2923, 0.4005



83.3076, 0.2301, 0.3191



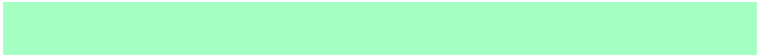
83.3076, 0.3273, 0.2702



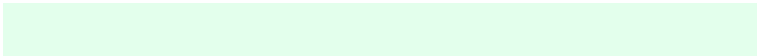
83.3076, 0.4022, 0.3286

Sweetspot

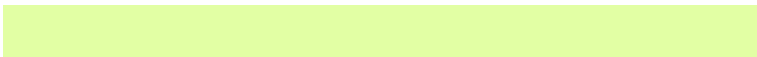
The Sweet Spot groups the original color and five complimentary colors.



83.3038, 0.2923, 0.4005



93.9103, 0.3061, 0.3481



90.3965, 0.3469, 0.4245



19.9529, 0.3053, 0.3506



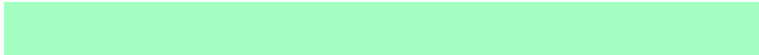
0.0000, 0.0000, 0.0000



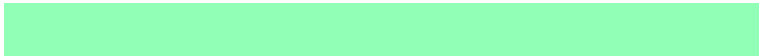
21.4041, 0.3127, 0.3290

Same Dimension

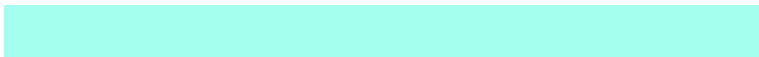
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3038, 0.2923, 0.4005



80.9281, 0.2889, 0.4183



85.6011, 0.2702, 0.3476



20.2669, 0.3070, 0.3453



37.7301, 0.2868, 0.5526



3.6929, 0.2806, 0.5300

Inverse Universe

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



53.2375, 0.3418, 0.2672



46.7248, 0.3499, 0.2547



51.1239, 0.3830, 0.3117



18.1926, 0.3189, 0.3132



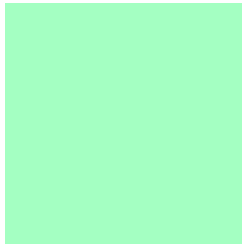
12.6728, 0.4262, 0.2122



1.2541, 0.4111, 0.2038

Previews

White Background



This preview shows how the Yxy color 83.3076, 0.2923, 0.4005 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 83.3076, 0.2923, 0.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

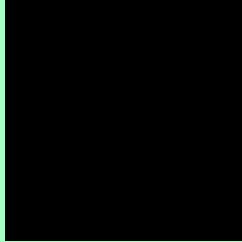
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3076, 0.2923, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 83.3076, 0.2923, 0.4005.

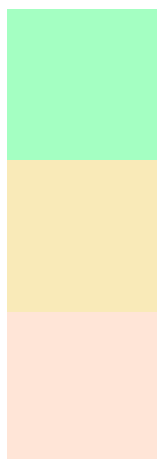


This preview shows how white text looks on a background with the Yxy color 83.3076, 0.2923, 0.4005.

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

83.3076, 0.2923, 0.4005

Protanopia

82.4461, 0.3558, 0.3803

Deuteranopia

82.2049, 0.3403, 0.3431



Tritanopia

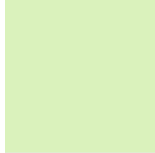
83.0036, 0.2795, 0.3152

Trichromacy



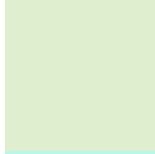
Original Color

83.3076, 0.2923, 0.4005



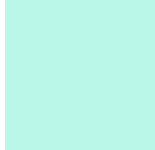
Protanomaly

82.0405, 0.3297, 0.3879



Deuteranomaly

81.1837, 0.3212, 0.3623



Tritanomaly

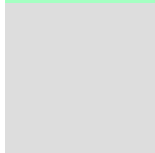
82.9695, 0.2842, 0.3444

Monochromacy



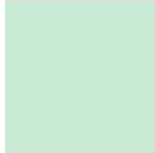
Original Color

83.3076, 0.2923, 0.4005



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.2603, 0.3042, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3076, 0.2923, 0.4005 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(164, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 194)  
}
```

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(164, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 83.3076, 0.2923, 0.4005 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(164, 255, 194) }
```

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

```
.border{ border-color:rgb(164, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3076, 0.2923, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 194) }
```

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

```
.background{ background-color: rgb(164,  
255, 194) }
```

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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