

Converting Colors

$Yxy(83.1341, 0.2708, 0.3597)$

Have a look what the booklet for
Yxy(83.1341, 0.2708, 0.3597)
contains.

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Color

Yxy(83.2997, 0.2707, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	9AFEE3
RGB	154, 254, 227
RGB Percent	60%, 100%, 89%
CMY	0.3960, 0.0039, 0.1098
CMYK	0.39, 0.00, 0.11, 0.00
HSL	164°, 98%, 80%
HSV	164°, 39%, 100%
XYZ	62.6367, 83.2997, 85.4516
YIQ	221.0220, -50.9330, -29.5970

Conversions

Conversions Part 2

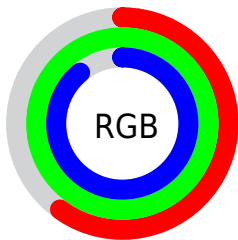
Format	Color
RYB	154, 212, 254
Decimal	10157795
CIELab	93.15, -35.34, 3.70
CIELCh	93, 35.537, 174.021
Yxy	83.2997, 0.2707, 0.3600
Android (android.graphics.Color)	4288347875 (0xFF9AFEE3)
YUV	221.0220, 2.9472, -58.7783
Hunter-Lab	91.2687, -37.2175, 8.3770

Details

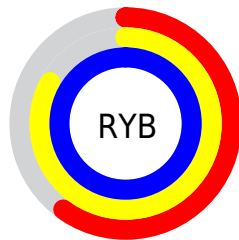
The Yxy color **83.2997, 0.2707, 0.3600** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.5278, 0.3847, 0.3008**, and the grayscale version is **72.3341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **45.4524, 0.2611, 0.3669** is the 20% darker color. If you saturate the color by 10%, you get **80.6971, 0.2627, 0.3694**, and if you desaturate by 10%, it is **86.4514, 0.2801, 0.3511**.

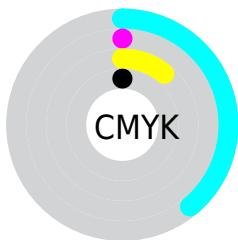
Distribution



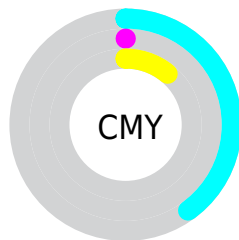
- Red (60%)
- Green (100%)
- Blue (89%)



- Red (60%)
- Yellow (83%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2997, 0.2707, 0.3600 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 83.2997, 0.2707, 0.3600 by changing the saturation by 10% instead.

 83.2997, 0.2707,
0.3600

 83.2997, 0.2707,
0.3600


505.9848, 0.2897,
0.3458

 62.4374, 0.2665,
0.3632


 137.9951, 0.2772,
0.3551

 45.3862, 0.2613,
0.3672


 172.5971, 0.2798,
0.3532

 31.7618, 0.2548,
0.3721


212.5477, 0.2820,
0.3515

 21.1796, 0.2464,
0.3786

258.2314, 0.2839,
0.3501

 13.2553, 0.2353,
0.3873

310.0326, 0.2856,
0.3488

 7.6046, 0.2197,
0.3997

368.3356, 0.2871,

 3.8430, 0.1966,

0.3477

0.4186

433.5249, 0.2885,
0.3467

■ 1.5861, 0.1496,
0.4559

■ 0.3482, 0.0000,
0.7431

■ 83.2997, 0.2707,
0.3600

■ 83.2997, 0.2707,
0.3600

■ 80.6971, 0.2627,
0.3694

■ 86.4514, 0.2801,
0.3511

■ 78.5998, 0.2563,
0.3793

■ 90.1729, 0.2906,
0.3429

■ 76.9736, 0.2518,
0.3895

■ 94.4960, 0.3018,
0.3354

■ 75.7756, 0.2493,
0.3998

99.3282, 0.3131,
0.3286

■ 74.9549, 0.2488, 99.3642, 0.3128,
0.4100 0.3281

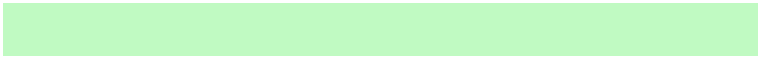
■ 74.4335, 0.2501,
0.4202

■ 74.4044, 0.2502,
0.4208

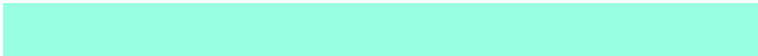
Harmonies

Analogous

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



83.2997, 0.3083, 0.3919



83.2997, 0.2707, 0.3600



83.2997, 0.2453, 0.3198

Triad

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



83.2997, 0.2707, 0.3600



83.2997, 0.2742, 0.2634



83.2997, 0.3945, 0.3643

Complementary

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



83.2997, 0.2707, 0.3600



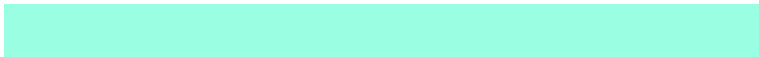
47.5278, 0.3847, 0.3008

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.



83.2997, 0.3848, 0.3314



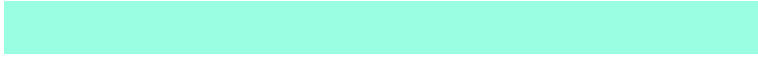
83.2997, 0.2707, 0.3600



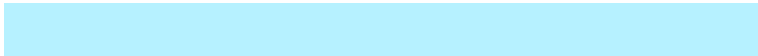
83.2997, 0.3130, 0.2756

Square

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



83.2997, 0.2707, 0.3600



83.2997, 0.2473, 0.2665



83.2997, 0.3541, 0.2998



83.2997, 0.3806, 0.3912

Rectangle

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



83.2997, 0.2707, 0.3600



83.2997, 0.2378, 0.2959



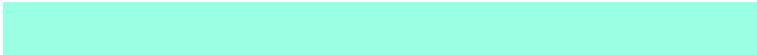
83.2997, 0.3541, 0.2998



83.2997, 0.3939, 0.3536

Sweetspot

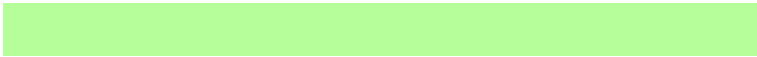
The Sweet Spot groups the original color and five complimentary colors.



83.3031, 0.2707, 0.3600



94.1304, 0.2988, 0.3373



83.2062, 0.3238, 0.4442



20.0229, 0.2973, 0.3383



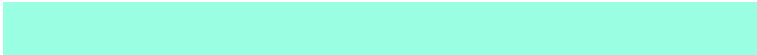
0.0000, 0.0000, 0.0000



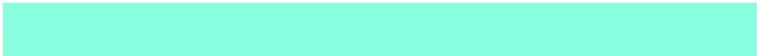
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3031, 0.2707, 0.3600



81.9914, 0.2644, 0.3672



71.9330, 0.2543, 0.3040



20.3928, 0.3016, 0.3355



39.2526, 0.2498, 0.4192



3.8402, 0.2465, 0.4076

Inverse Universe

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



47.5278, 0.3847, 0.3008



41.4389, 0.4062, 0.2956



54.3330, 0.4029, 0.3521



18.0676, 0.3252, 0.3226



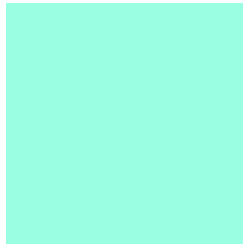
11.3536, 0.5871, 0.3008



1.1228, 0.5553, 0.2833

Previews

White Background



This preview shows how the Yxy color 83.2997, 0.2707, 0.3600 looks on a white background.

Color Contrast Check

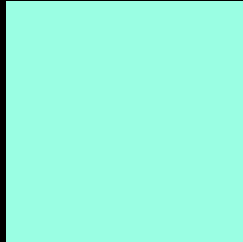
Large Text (above 18pt) WCAG AA × Fail

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 83.2997, 0.2707, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

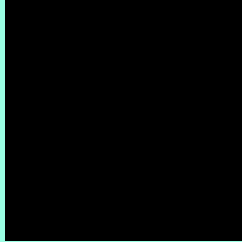
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2997, 0.2707, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 83.2997, 0.2707, 0.3600.

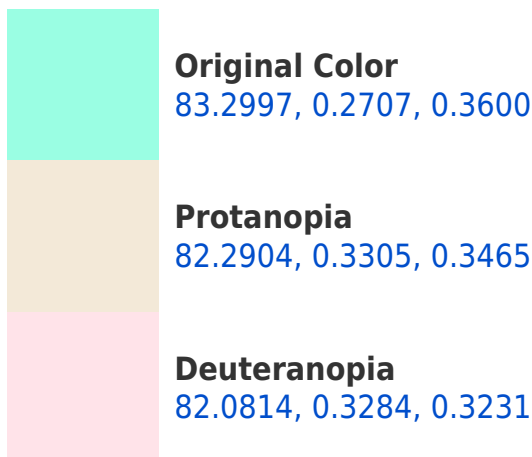


This preview shows how white text looks on a background with the Yxy color 83.2997, 0.2707, 0.3600.

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

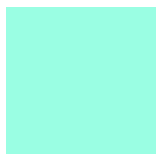




Tritanopia

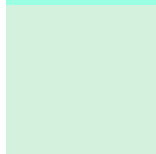
83.0569, 0.2773, 0.3161

Trichromacy



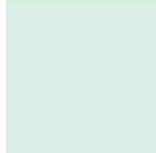
Original Color

83.2997, 0.2707, 0.3600



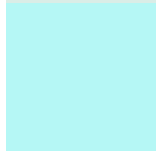
Protanomaly

81.9268, 0.3058, 0.3517



Deuteranomaly

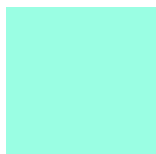
81.2433, 0.3039, 0.3353



Tritanomaly

82.9379, 0.2746, 0.3311

Monochromacy



Original Color

83.2997, 0.2707, 0.3600



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4759, 0.2951, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2997, 0.2707, 0.3600 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(154, 254, 227)` looks like.

```
.text, #text, p{  
    color:rgb(154, 254, 227)  
}
```

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(154, 254, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 254, 227) }
```

Border

The CSS property to change the border of an element to Yxy 83.2997, 0.2707, 0.3600 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(154, 254, 227) }
```

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

```
.border{ border-color:rgb(154, 254, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 254, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 254, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 254, 227);  
box-shadow:4px 4px 4px 4px rgb(154, 254,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2997, 0.2707, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 254, 227) }
```

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

```
.background{ background-color: rgb(154,  
254, 227) }
```

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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