

Converting Colors

$Yxy(83.6513, 0.2757, 0.3710)$

Have a look what the booklet for
Yxy(83.6513, 0.2757, 0.3710)
contains.

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Color

Yxy(83.7024, 0.2757, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	9CFFDB
RGB	156, 255, 219
RGB Percent	61%, 100%, 86%
CMY	0.3879, 0.0000, 0.1412
CMYK	0.39, 0.00, 0.14, 0.00
HSL	158°, 100%, 81%
HSV	158°, 39%, 100%
XYZ	62.2686, 83.7024, 79.8854
YIQ	221.2950, -47.4480, -32.1840

Conversions

Conversions Part 2

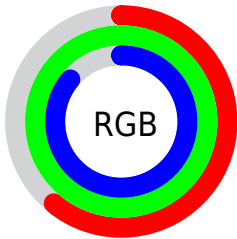
Format	Color
RYB	156, 217, 255
Decimal	10289115
CIELab	93.32, -36.95, 8.10
CIELCh	93, 37.832, 167.637
Yxy	83.7024, 0.2757, 0.3706
Android (android.graphics.Color)	4288479195 (0xFF9CFFDB)
YUV	221.2950, -1.1314, -57.2637
Hunter-Lab	91.4890, -38.6163, 12.2721

Details

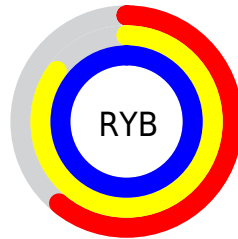
The Yxy color **83.7024, 0.2757, 0.3706** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.8769, 0.3739, 0.2916**, and the grayscale version is **72.5733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **45.7212, 0.2670, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **80.9461, 0.2685, 0.3836**, and if you desaturate by 10%, it is **87.0267, 0.2842, 0.3585**.

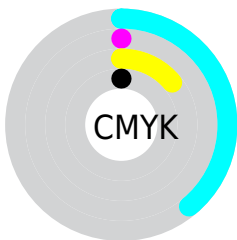
Distribution



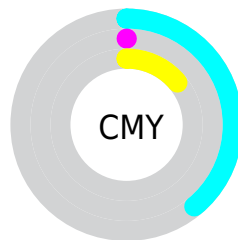
- Red (61%)
- Green (100%)
- Blue (86%)



- Red (61%)
- Yellow (85%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7024, 0.2757, 0.3706 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 83.7024, 0.2757, 0.3706 by changing the saturation by 10% instead.


 83.7024, 0.2757,
0.3706


 83.7024, 0.2757,
0.3706

507.3245, 0.2926,
0.3513

 62.7698, 0.2719,
0.3750


 138.5588, 0.2815,
0.3639

 45.6550, 0.2672,
0.3805


 173.2514, 0.2838,
0.3613

 31.9736, 0.2613,
0.3874


213.2993, 0.2858,
0.3590

 21.3414, 0.2536,
0.3966

259.0871, 0.2875,
0.3571

 13.3738, 0.2434,
0.4090

310.9992, 0.2890,
0.3554

 7.6864, 0.2288,
0.4269

369.4198, 0.2904,

 3.8950, 0.2068,

0.3539

0.4550

434.7334, 0.2916,
0.3525

■ 1.6150, 0.1583,
0.5117

■ 0.3677, 0.0000,
1.0000

■ 83.7024, 0.2757,
0.3706

■ 83.7024, 0.2757,
0.3706

■ 80.9461, 0.2685,
0.3836

■ 87.0267, 0.2842,
0.3585

■ 78.7137, 0.2628,
0.3973

■ 90.9401, 0.2936,
0.3473

■ 76.9704, 0.2590,
0.4114

■ 95.4748, 0.3036,
0.3371

■ 75.6732, 0.2572,
0.4257

99.9944, 0.3127,
0.3290

■ 74.7708, 0.2574,
0.4399

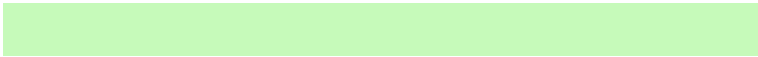
■ 74.1895, 0.2595,
0.4538

■ 74.1292, 0.2598,
0.4554

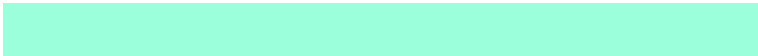
Harmonies

Analogous

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



83.7024, 0.3171, 0.4008



83.7024, 0.2757, 0.3706



83.7024, 0.2456, 0.3280

Triad

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



83.7024, 0.2757, 0.3706



83.7024, 0.2645, 0.2589



83.7024, 0.3996, 0.3589

Complementary

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



83.7024, 0.2757, 0.3706



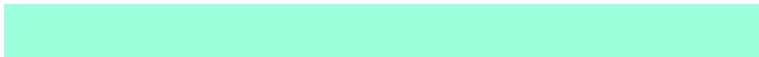
48.8769, 0.3739, 0.2916

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.



83.7024, 0.3840, 0.3239



83.7024, 0.2757, 0.3706



83.7024, 0.3035, 0.2686

Square

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



83.7024, 0.2757, 0.3706



83.7024, 0.2396, 0.2656



83.7024, 0.3478, 0.2918



83.7024, 0.3898, 0.3897

Rectangle

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



83.7024, 0.2757, 0.3706



83.7024, 0.2350, 0.3011



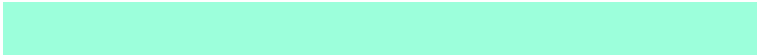
83.7024, 0.3478, 0.2918



83.7024, 0.3972, 0.3473

Sweetspot

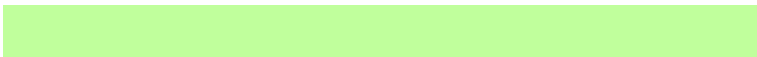
The Sweet Spot groups the original color and five complimentary colors.



83.7058, 0.2757, 0.3706



93.9545, 0.3003, 0.3403



85.1710, 0.3289, 0.4405



19.9813, 0.2990, 0.3416



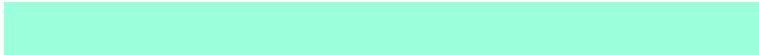
0.0000, 0.0000, 0.0000



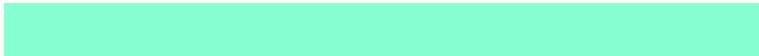
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7058, 0.2757, 0.3706



81.4053, 0.2697, 0.3812



77.6850, 0.2565, 0.3140



20.3627, 0.3029, 0.3378



38.7668, 0.2592, 0.4531



3.7956, 0.2548, 0.4373

Inverse Universe

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



48.8769, 0.3739, 0.2916



41.8754, 0.3936, 0.2840



52.1423, 0.4047, 0.3432



18.0964, 0.3237, 0.3204



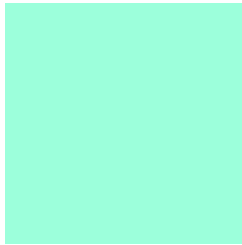
11.5462, 0.5529, 0.2819



1.1443, 0.5216, 0.2647

Previews

White Background



This preview shows how the Yxy color 83.7024, 0.2757, 0.3706 looks on a white background.

Color Contrast Check

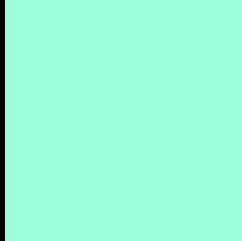
Large Text (above 18pt) WCAG AA × Fail

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 83.7024, 0.2757, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

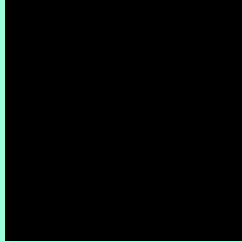
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

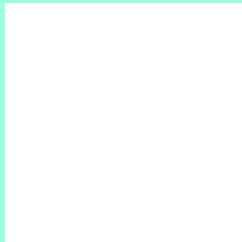
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7024, 0.2757, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 83.7024, 0.2757, 0.3706.

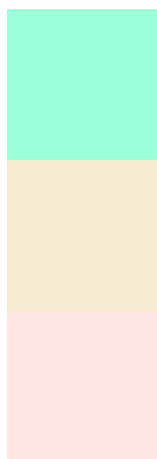


This preview shows how white text looks on a background with the Yxy color 83.7024, 0.2757, 0.3706.

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

83.7024, 0.2757, 0.3706

Protanopia

82.8122, 0.3370, 0.3557

Deuteranopia

82.8447, 0.3322, 0.3310



Tritanopia

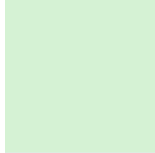
83.3270, 0.2785, 0.3162

Trichromacy



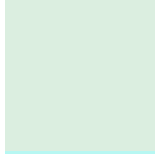
Original Color

83.7024, 0.2757, 0.3706



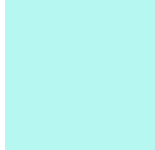
Protanomaly

82.4039, 0.3118, 0.3615



Deuteranomaly

81.5910, 0.3087, 0.3439



Tritanomaly

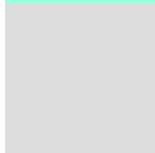
82.9996, 0.2772, 0.3344

Monochromacy



Original Color

83.7024, 0.2757, 0.3706



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3155, 0.2969, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7024, 0.2757, 0.3706 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(156, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 219)  
}
```

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(156, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 83.7024, 0.2757, 0.3706 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(156, 255, 219) }
```

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

```
.border{ border-color:rgb(156, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7024, 0.2757, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 219) }
```

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

```
.background{ background-color: rgb(156,  
255, 219) }
```

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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