

Converting Colors

$Yxy(83.5867, 0.2726, 0.3667)$

Have a look what the booklet for
Yxy(83.5867, 0.2726, 0.3667)
contains.

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Color

Yxy(83.5662, 0.2728, 0.3671)

Conversions

Conversions Part 1

Format	Color
Hex	99FFDE
RGB	153, 255, 222
RGB Percent	60%, 100%, 87%
CMY	0.3995, 0.0001, 0.1294
CMYK	0.40, 0.00, 0.13, 0.00
HSL	161°, 100%, 80%
HSV	161°, 40%, 100%
XYZ	62.0999, 83.5662, 81.9727
YIQ	220.7400, -50.1990, -31.8870

Conversions

Conversions Part 2

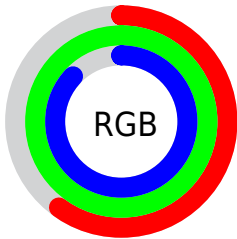
Format	Color
RYB	153, 214, 255
Decimal	10092510
CIELab	93.26, -37.09, 6.44
CIElCh	93, 37.646, 170.150
Yxy	83.5662, 0.2728, 0.3671
Android (android.graphics.Color)	4288282590 (0xFF99FFDE)
YUV	220.7400, 0.6212, -59.4080
Hunter-Lab	91.4146, -38.7166, 10.8240

Details

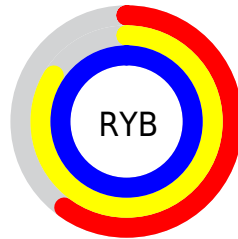
The Yxy color **83.5662, 0.2728, 0.3671** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.6293, 0.3807, 0.2947**, and the grayscale version is **72.1578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.6650, 0.2637, 0.3763** is the 20% darker color. If you saturate the color by 10%, you get **80.9135, 0.2654, 0.3786**, and if you desaturate by 10%, it is **86.7775, 0.2816, 0.3563**.

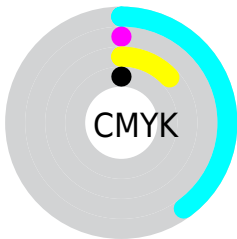
Distribution



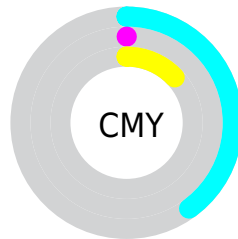
- Red (60%)
- Green (100%)
- Blue (87%)



- Red (60%)
- Yellow (84%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5662, 0.2728, 0.3671 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 83.5662, 0.2728, 0.3671 by changing the saturation by 10% instead.


 83.5662, 0.2728,
0.3671


 83.5662, 0.2728,
0.3671


506.8716, 0.2910,
0.3495

 62.6573, 0.2687,
0.3711


 138.3682, 0.2790,
0.3610

 45.5641, 0.2637,
0.3761


 173.0301, 0.2815,
0.3586

 31.9020, 0.2574,
0.3824


213.0452, 0.2836,
0.3566

 21.2866, 0.2493,
0.3906

258.7978, 0.2855,
0.3548

 13.3337, 0.2385,
0.4017

310.6724, 0.2871,
0.3532

 7.6587, 0.2232,
0.4178

369.0532, 0.2885,

 3.8774, 0.2003,

0.3518

0.4426

434.3249, 0.2898,
0.3506

■ 1.6052, 0.1505,
0.4931

■ 0.3611, 0.0000,
1.0000

■ 83.5662, 0.2728,
0.3671

■ 83.5662, 0.2728,
0.3671

■ 80.9135, 0.2654,
0.3786

■ 86.7775, 0.2816,
0.3563

■ 78.7750, 0.2595,
0.3907

■ 90.5687, 0.2914,
0.3463

■ 77.1158, 0.2556,
0.4031

■ 94.9721, 0.3019,
0.3372

■ 75.8919, 0.2537,
0.4157

99.9906, 0.3127,
0.3290

■ 75.0512, 0.2538,
0.4282

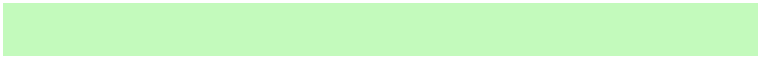
■ 74.5090, 0.2557,
0.4405

■ 74.5065, 0.2557,
0.4406

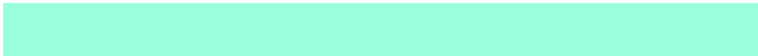
Harmonies

Analogous

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



83.5662, 0.3134, 0.3988



83.5662, 0.2728, 0.3671



83.5662, 0.2441, 0.3245

Triad

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



83.5662, 0.2728, 0.3671



83.5662, 0.2675, 0.2594



83.5662, 0.3994, 0.3617

Complementary

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



83.5662, 0.2728, 0.3671



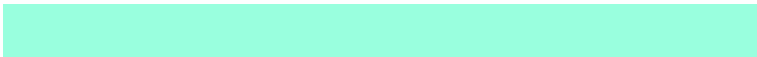
47.6293, 0.3807, 0.2947

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.



83.5662, 0.3859, 0.3268



83.5662, 0.2728, 0.3671



83.5662, 0.3072, 0.2703

Square

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



83.5662, 0.2728, 0.3671



83.5662, 0.2413, 0.2646



83.5662, 0.3512, 0.2943



83.5662, 0.3876, 0.3915

Rectangle

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



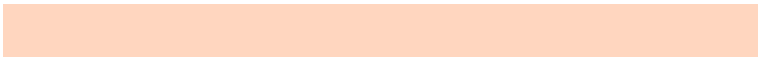
83.5662, 0.2728, 0.3671



83.5662, 0.2346, 0.2982



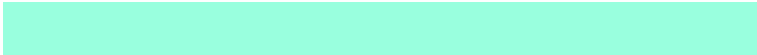
83.5662, 0.3512, 0.2943



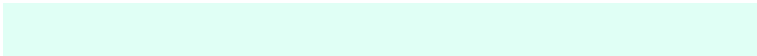
83.5662, 0.3977, 0.3502

Sweetspot

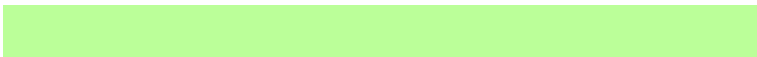
The Sweet Spot groups the original color and five complimentary colors.



83.5696, 0.2728, 0.3671



94.0297, 0.2997, 0.3390



84.3891, 0.3271, 0.4450



19.9991, 0.2983, 0.3402



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

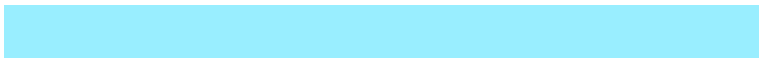
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5696, 0.2728, 0.3671



81.4000, 0.2667, 0.3763



75.1573, 0.2545, 0.3096



20.3756, 0.3023, 0.3368



38.9649, 0.2552, 0.4385



3.8139, 0.2512, 0.4245

Inverse Universe

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



47.6293, 0.3807, 0.2947



40.9127, 0.4017, 0.2882



52.3483, 0.4071, 0.3471



18.0840, 0.3243, 0.3213



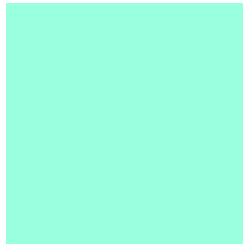
11.4556, 0.5683, 0.2904



1.1344, 0.5364, 0.2728

Previews

White Background



This preview shows how the Yxy color 83.5662, 0.2728, 0.3671 looks on a white background.

Color Contrast Check

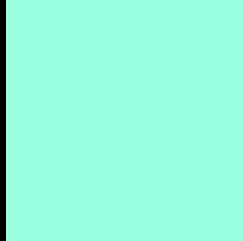
Large Text (above 18pt) WCAG AA × Fail

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 83.5662, 0.2728, 0.3671 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 83.5662, 0.2728, 0.3671

Background



This preview shows how black text looks on a background with the Yxy color 83.5662, 0.2728, 0.3671.

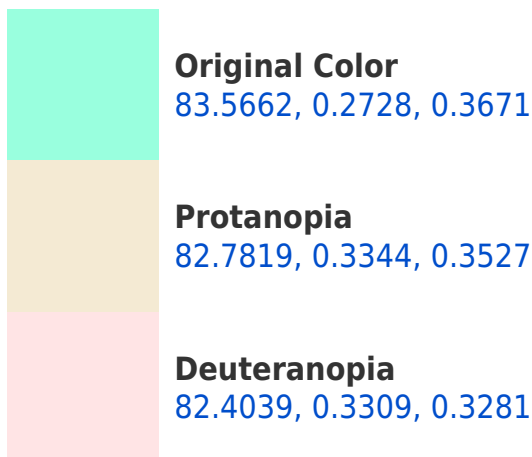


This preview shows how white text looks on a background with the Yxy color 83.5662, 0.2728, 0.3671.

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

83.1915, 0.2779, 0.3162

Trichromacy



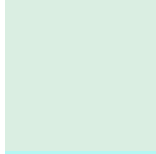
Original Color

83.5662, 0.2728, 0.3671



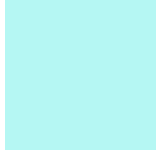
Protanomaly

82.2594, 0.3088, 0.3583



Deuteranomaly

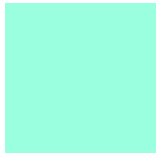
81.5455, 0.3069, 0.3418



Tritanomaly

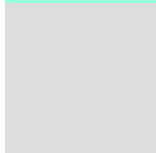
82.8164, 0.2757, 0.3333

Monochromacy



Original Color

83.5662, 0.2728, 0.3671



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.2340, 0.2957, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5662, 0.2728, 0.3671 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(153, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 222)  
}
```

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(153, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 83.5662, 0.2728, 0.3671 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(153, 255, 222) }
```

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

```
.border{ border-color:rgb(153, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 255, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 255, 222); box-shadow:4px 4px 4px 4px rgb(153, 255, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5662, 0.2728, 0.3671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 222) }
```

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

```
.background{ background-color: rgb(153,  
255, 222) }
```

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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