

Converting Colors

$Yxy(83.7916, 0.2675, 0.3569)$

Have a look what the booklet for
Yxy(83.7916, 0.2675, 0.3569)
contains.

Yxy(83.8688, 0.2675, 0.3565)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.8688, 0.2675, 0.3565)

Conversions

Conversions Part 1

Format	Color
Hex	97FFE7
RGB	151, 255, 231
RGB Percent	59%, 100%, 91%
CMY	0.4082, 0.0000, 0.0942
CMYK	0.41, 0.00, 0.09, 0.00
HSL	166°, 100%, 80%
HSV	166°, 41%, 100%
XYZ	62.9310, 83.8688, 88.4563
YIQ	221.1680, -54.2800, -29.5120

Conversions

Conversions Part 2

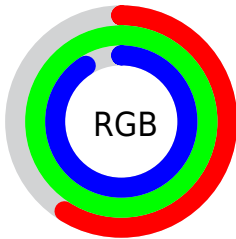
Format	Color
R_{YB}	151, 210, 255
Decimal	9961447
CIE Lab	93.39, -35.73, 1.99
CIE LCh	93, 35.788, 176.810
Yxy	83.8688, 0.2675, 0.3565
Android (android.graphics.Color)	4288151527 (0xFF97FFE7)
YUV	221.1680, 4.8472, -61.5373
Hunter-Lab	91.5799, -37.6049, 6.8382

Details

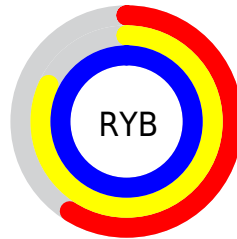
The Yxy color **83.8688, 0.2675, 0.3565** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.4570, 0.3928, 0.3040**, and the grayscale version is **72.4023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **45.8105, 0.2576, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **81.3524, 0.2593, 0.3645**, and if you desaturate by 10%, it is **86.9046, 0.2771, 0.3489**.

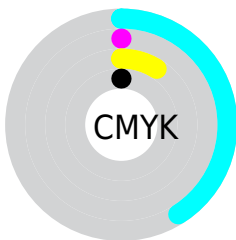
Distribution



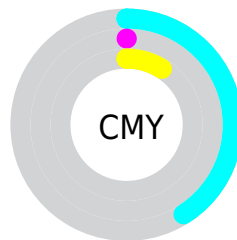
- Red (59%)
- Green (100%)
- Blue (91%)



- Red (59%)
- Yellow (82%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8688, 0.2675, 0.3565 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 83.8688, 0.2675, 0.3565 by changing the saturation by 10% instead.


 83.8688, 0.2675,
0.3565


 83.8688, 0.2675,
0.3565


507.8775, 0.2879,
0.3440

 62.9071, 0.2630,
0.3593


 138.7916, 0.2745,
0.3522

 45.7661, 0.2575,
0.3627


 173.5216, 0.2772,
0.3505

 32.0613, 0.2506,
0.3670


213.6097, 0.2796,
0.3491

 21.4083, 0.2417,
0.3725

259.4405, 0.2816,
0.3478

 13.4228, 0.2300,
0.3799

311.3982, 0.2835,
0.3467

 7.7203, 0.2138,
0.3903

369.8674, 0.2851,

 3.9165, 0.1899,

0.3457

0.4059

435.2323, 0.2866,
0.3448

■ 1.6270, 0.1438,
0.4356

■ 0.3757, 0.0000,
0.5820

■ 83.8688, 0.2675,
0.3565

■ 83.8688, 0.2675,
0.3565

■ 81.3524, 0.2593,
0.3645

■ 86.9046, 0.2771,
0.3489

■ 79.3498, 0.2529,
0.3729

■ 90.5200, 0.2879,
0.3418

■ 77.8129, 0.2484,
0.3814

■ 94.7345, 0.2995,
0.3354

■ 76.6974, 0.2459,
0.3901

■ 99.5749, 0.3117,
0.3295

■ 75.9503, 0.2453,
0.3987

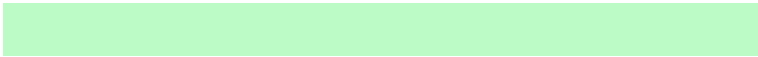
100.0000, 0.3127,
0.3290

■ 75.5126, 0.2463,
0.4066

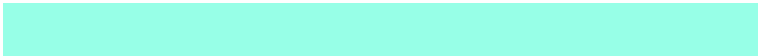
Harmonies

Analogous

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



83.8688, 0.3044, 0.3900



83.8688, 0.2675, 0.3565



83.8688, 0.2435, 0.3161

Triad

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



83.8688, 0.2675, 0.3565



83.8688, 0.2773, 0.2637



83.8688, 0.3945, 0.3674

Complementary

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



83.8688, 0.2675, 0.3565



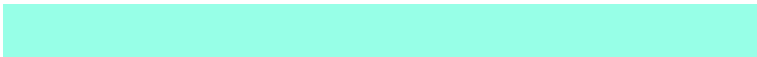
46.4570, 0.3928, 0.3040

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.



83.8688, 0.3870, 0.3345



83.8688, 0.2675, 0.3565



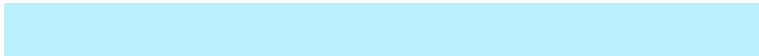
83.8688, 0.3169, 0.2772

Square

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



83.8688, 0.2675, 0.3565



83.8688, 0.2489, 0.2652



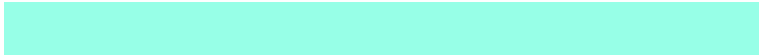
83.8688, 0.3578, 0.3024



83.8688, 0.3786, 0.3933

Rectangle

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



83.8688, 0.2675, 0.3565



83.8688, 0.2371, 0.2927



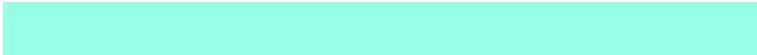
83.8688, 0.3578, 0.3024



83.8688, 0.3947, 0.3568

Sweetspot

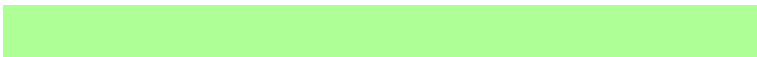
The Sweet Spot groups the original color and five complimentary colors.



83.8592, 0.2675, 0.3565



94.2048, 0.2981, 0.3361



82.8884, 0.3209, 0.4503



20.0404, 0.2966, 0.3369



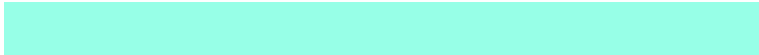
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.8592, 0.2675, 0.3565



81.7699, 0.2607, 0.3630



68.8619, 0.2514, 0.2968



20.4055, 0.3011, 0.3345



39.4810, 0.2459, 0.4051



3.8607, 0.2432, 0.3954

Inverse Universe

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



46.4570, 0.3928, 0.3040



39.7378, 0.4180, 0.2994



55.5987, 0.4053, 0.3584



18.0557, 0.3258, 0.3235



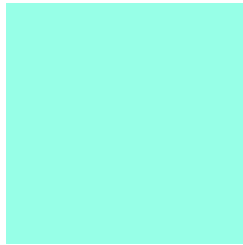
11.2917, 0.5994, 0.3076



1.1153, 0.5684, 0.2905

Previews

White Background



This preview shows how the Yxy color 83.8688, 0.2675, 0.3565 looks on a white background.

Color Contrast Check

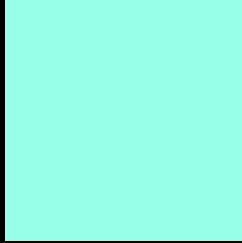
Large Text (above 18pt) WCAG AA × Fail

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 83.8688, 0.2675, 0.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

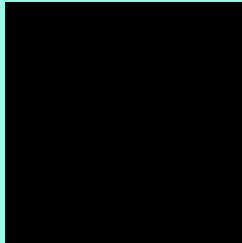
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8688, 0.2675, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 83.8688, 0.2675, 0.3565.

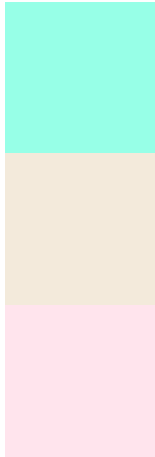


This preview shows how white text looks on a background with the Yxy color 83.8688, 0.2675, 0.3565.

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

83.8688, 0.2675, 0.3565

Protanopia

83.0148, 0.3284, 0.3444

Deuteranopia

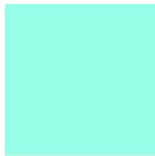
82.8612, 0.3256, 0.3202



Tritanopia

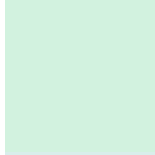
83.1915, 0.2779, 0.3162

Trichromacy



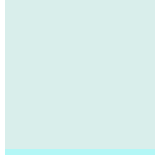
Original Color

83.8688, 0.2675, 0.3565



Protanomaly

82.5336, 0.3034, 0.3495



Deuteranomaly

81.8989, 0.3009, 0.3321



Tritanomaly

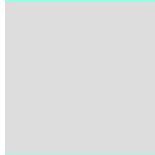
82.8786, 0.2736, 0.3300

Monochromacy



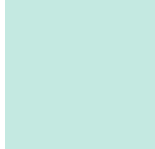
Original Color

83.8688, 0.2675, 0.3565



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4498, 0.2933, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8688, 0.2675, 0.3565 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(151, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 231)  
}
```

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(151, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 83.8688, 0.2675, 0.3565 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(151, 255, 231) }
```

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

```
.border{ border-color:rgb(151, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 255, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 255, 231); box-shadow:4px 4px 4px 4px rgb(151, 255, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8688, 0.2675, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 231) }
```

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

```
.background{ background-color: rgb(151,  
255, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor