

Converting Colors

$Yxy(83.0203, 0.2672, 0.3626)$

Have a look what the booklet for
Yxy(83.0203, 0.2672, 0.3626)
contains.

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Color

Yxy(83.0307, 0.2672, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	91FFE2
RGB	145, 255, 226
RGB Percent	57%, 100%, 89%
CMY	0.4311, 0.0000, 0.1139
CMYK	0.43, 0.00, 0.11, 0.00
HSL	164°, 100%, 78%
HSV	164°, 43%, 100%
XYZ	61.1685, 83.0307, 84.7247
YIQ	218.8040, -56.2510, -32.3390

Conversions

Conversions Part 2

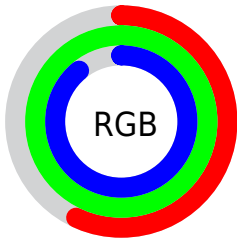
Format	Color
RYB	145, 208, 255
Decimal	9568226
CIELab	93.03, -38.26, 4.02
CIELCh	93, 38.474, 173.997
Yxy	83.0307, 0.2672, 0.3627
Android (android.graphics.Color)	4287758306 (0xFF91FFE2)
YUV	218.8040, 3.5476, -64.7261
Hunter-Lab	91.1212, -39.6373, 8.6568

Details

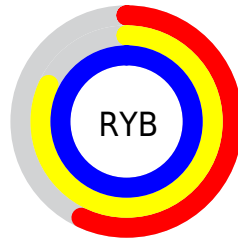
The Yxy color **83.0307, 0.2672, 0.3627** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.5915, 0.3956, 0.2988**, and the grayscale version is **70.7103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **45.3547, 0.2570, 0.3704** is the 20% darker color. If you saturate the color by 10%, you get **80.6079, 0.2597, 0.3721**, and if you desaturate by 10%, it is **85.9946, 0.2762, 0.3538**.

Distribution



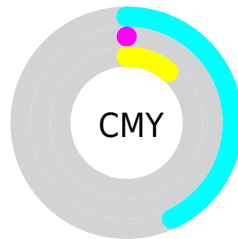
- Red (57%)
- Green (100%)
- Blue (89%)



- Red (57%)
- Yellow (82%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0307, 0.2672, 0.3627 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 83.0307, 0.2672, 0.3627 by changing the saturation by 10% instead.


 83.0307, 0.2672,
0.3627


 83.0307, 0.2672,
0.3627

505.0888, 0.2878,
0.3472

 62.2155, 0.2626,
0.3662


 137.6185, 0.2743,
0.3574

 45.2068, 0.2570,
0.3705


 172.1598, 0.2770,
0.3553

 31.6204, 0.2499,
0.3759


212.0453, 0.2794,
0.3535

 21.0717, 0.2409,
0.3830

257.6593, 0.2815,
0.3519

 13.1764, 0.2288,
0.3925

309.3863, 0.2834,
0.3505

 7.5501, 0.2120,
0.4061

367.6106, 0.2850,

 3.8085, 0.1870,

0.3493

0.4268

432.7166, 0.2865,
0.3482

■ 1.5670, 0.1311,
0.4705

■ 0.3352, 0.0000,
0.8002

■ 83.0307, 0.2672,
0.3627

■ 83.0307, 0.2672,
0.3627

■ 80.6079, 0.2597,
0.3721

■ 85.9946, 0.2762,
0.3538

■ 78.6808, 0.2540,
0.3819

■ 89.5217, 0.2864,
0.3455

■ 77.2130, 0.2502,
0.3918

■ 93.6448, 0.2974,
0.3379

■ 76.1587, 0.2484,
0.4019

■ 98.3914, 0.3090,
0.3310

■ 75.4620, 0.2486,
0.4119

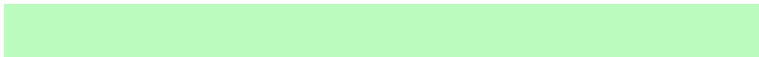
99.9992, 0.3127,
0.3290

■ 75.1347, 0.2496,
0.4187

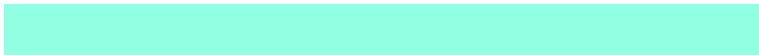
Harmonies

Analogous

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



83.0307, 0.3077, 0.3976



83.0307, 0.2672, 0.3627



83.0307, 0.2400, 0.3188

Triad

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



83.0307, 0.2672, 0.3627



83.0307, 0.2710, 0.2584



83.0307, 0.4013, 0.3667

Complementary

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



83.0307, 0.2672, 0.3627



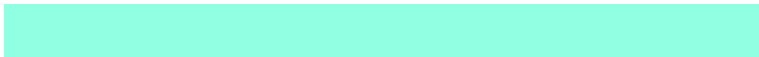
44.5915, 0.3956, 0.2988

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.



83.0307, 0.3909, 0.3312



83.0307, 0.2672, 0.3627



83.0307, 0.3128, 0.2715

Square

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



83.0307, 0.2672, 0.3627



83.0307, 0.2422, 0.2615



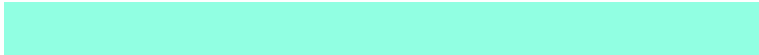
83.0307, 0.3575, 0.2974



83.0307, 0.3861, 0.3960

Rectangle

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



83.0307, 0.2672, 0.3627



83.0307, 0.2320, 0.2929



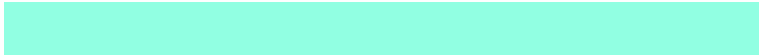
83.0307, 0.3575, 0.2974



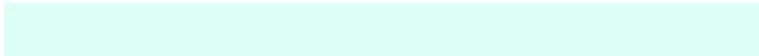
83.0307, 0.4008, 0.3551

Sweetspot

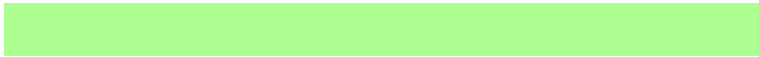
The Sweet Spot groups the original color and five complimentary colors.



83.0340, 0.2672, 0.3627



93.6947, 0.2975, 0.3379



82.6084, 0.3233, 0.4571



19.8481, 0.2950, 0.3395



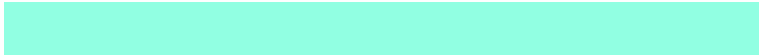
0.0000, 0.0000, 0.0000



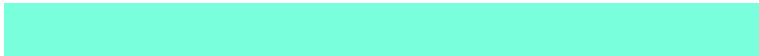
21.4041, 0.3127, 0.3290

Same Dimension

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



83.0340, 0.2672, 0.3627



80.8528, 0.2605, 0.3710



69.4774, 0.2491, 0.2991



20.3947, 0.3015, 0.3354



39.2859, 0.2492, 0.4170



3.8432, 0.2460, 0.4057

Inverse Universe

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



44.5915, 0.3956, 0.2988



37.7264, 0.4228, 0.2934



52.3258, 0.4143, 0.3562



18.0659, 0.3253, 0.3227



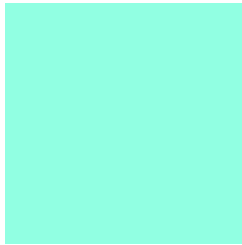
11.3436, 0.5891, 0.3019



1.1216, 0.5573, 0.2844

Previews

White Background



This preview shows how the Yxy color 83.0307, 0.2672, 0.3627 looks on a white background.

Color Contrast Check

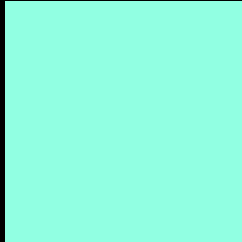
Large Text (above 18pt) WCAG AA × Fail

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 83.0307, 0.2672, 0.3627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

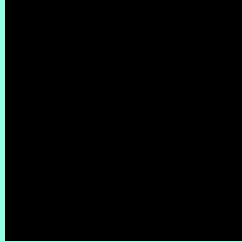
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.0307, 0.2672, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 83.0307, 0.2672, 0.3627.



This preview shows how white text looks on a background with the Yxy color 83.0307, 0.2672, 0.3627.

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

83.0307, 0.2672, 0.3627

Protanopia

82.0101, 0.3311, 0.3486

Deuteranopia

82.0244, 0.3290, 0.3241



Tritanopia

82.6586, 0.2757, 0.3161

Trichromacy



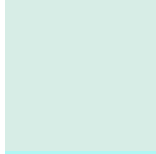
Original Color

83.0307, 0.2672, 0.3627



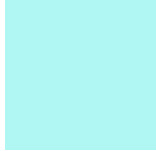
Protanomaly

81.2379, 0.3044, 0.3541



Deuteranomaly

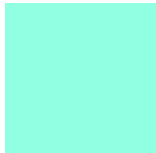
80.7286, 0.3025, 0.3365



Tritanomaly

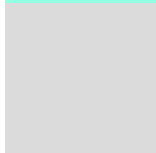
82.2833, 0.2725, 0.3322

Monochromacy



Original Color

83.0307, 0.2672, 0.3627



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.1936, 0.2925, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0307, 0.2672, 0.3627 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(145, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 226)  
}
```

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(145, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 83.0307, 0.2672, 0.3627 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(145, 255, 226) }
```

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

```
.border{ border-color:rgb(145, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0307, 0.2672, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 226) }
```

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

```
.background{ background-color: rgb(145,  
255, 226) }
```

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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