

Converting Colors

$Y_{xy}(127.6886, 0.2725, 0.4131)$

Have a look what the booklet for
Yxy(127.6886, 0.2725, 0.4131)
contains.

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Color

Yxy(83.4229, 0.2639, 0.3543)

Conversions

Conversions Part 1

Format	Color
Hex	91FFE9
RGB	145, 255, 233
RGB Percent	57%, 100%, 91%
CMY	0.4315, 0.0000, 0.0864
CMYK	0.43, 0.00, 0.09, 0.00
HSL	168°, 100%, 78%
HSV	168°, 43%, 100%
XYZ	62.1375, 83.4229, 89.8980
YIQ	219.6020, -58.4980, -30.1620

Conversions

Conversions Part 2

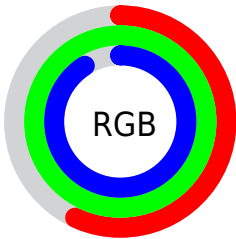
Format	Color
R_{YB}	145, 206, 255
Decimal	9568233
CIE Lab	93.20, -36.73, 0.65
CIE LCh	93, 36.740, 178.989
Yxy	83.4229, 0.2639, 0.3543
Android (android.graphics.Color)	4287758313 (0xFF91FFE9)
YUV	219.6020, 6.6052, -65.4260
Hunter-Lab	91.3361, -38.4018, 5.5788

Details

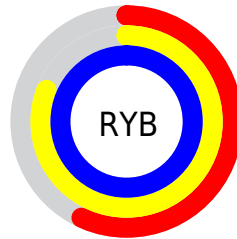
The Yxy color **83.4229, 0.2639, 0.3543** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.2913, 0.4033, 0.3062**, and the grayscale version is **71.2528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **45.5409, 0.2533, 0.3608** is the 20% darker color. If you saturate the color by 10%, you get **81.0695, 0.2559, 0.3612**, and if you desaturate by 10%, it is **86.2962, 0.2735, 0.3477**.

Distribution



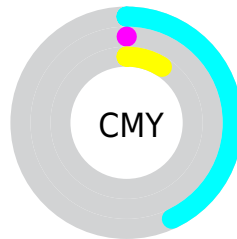
- Red (57%)
- Green (100%)
- Blue (91%)



- Red (57%)
- Yellow (81%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4229, 0.2639, 0.3543 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 83.4229, 0.2639, 0.3543 by changing the saturation by 10% instead.

 83.4229, 0.2639,
0.3543

 83.4229, 0.2639,
0.3543


506.3949, 0.2858,
0.3429

 62.5391, 0.2590,
0.3568


 138.1676, 0.2714,
0.3504

 45.4684, 0.2531,
0.3599


 172.7973, 0.2743,
0.3489

 31.8266, 0.2457,
0.3638


212.7777, 0.2769,
0.3475

 21.2291, 0.2363,
0.3687

258.4933, 0.2791,
0.3464

 13.2915, 0.2238,
0.3753

310.3284, 0.2811,
0.3454

 7.6296, 0.2065,
0.3844

368.6674, 0.2829,

 3.8589, 0.1813,

0.3444

0.3979

433.8948, 0.2844,
0.3436

■ 1.5949, 0.1310,
0.4245

■ 0.3542, 0.0000,
0.5100

■ 83.4229, 0.2639,
0.3543

■ 83.4229, 0.2639,
0.3543

■ 81.0695, 0.2559,
0.3612

■ 86.2962, 0.2735,
0.3477

■ 79.2132, 0.2496,
0.3685

■ 89.7338, 0.2844,
0.3415

■ 77.8102, 0.2453,
0.3758

■ 93.7612, 0.2962,
0.3358

■ 76.8146, 0.2430,
0.3832

■ 98.4055, 0.3087,
0.3305

■ 76.1707, 0.2426,
0.3906

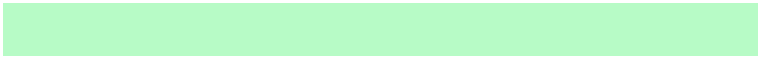
100.0000, 0.3127,
0.3290

■ 75.8775, 0.2432,
0.3956

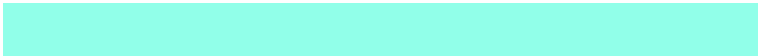
Harmonies

Analogous

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



83.4229, 0.3011, 0.3899



83.4229, 0.2639, 0.3543



83.4229, 0.2405, 0.3128

Triad

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



83.4229, 0.2639, 0.3543



83.4229, 0.2789, 0.2625



83.4229, 0.3964, 0.3706

Complementary

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



83.4229, 0.2639, 0.3543



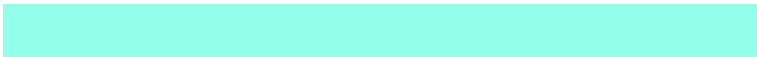
44.2913, 0.4033, 0.3062

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.



83.4229, 0.3906, 0.3370



83.4229, 0.2639, 0.3543



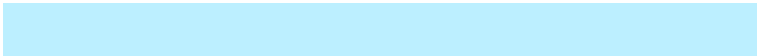
83.4229, 0.3201, 0.2773

Square

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



83.4229, 0.2639, 0.3543



83.4229, 0.2488, 0.2628



83.4229, 0.3618, 0.3039



83.4229, 0.3784, 0.3965

Rectangle

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



83.4229, 0.2639, 0.3543



83.4229, 0.2349, 0.2894



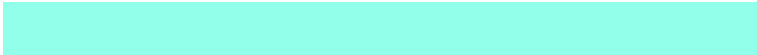
83.4229, 0.3618, 0.3039



83.4229, 0.3973, 0.3598

Sweetspot

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



83.4187, 0.2639, 0.3543



93.8259, 0.2964, 0.3357



81.9773, 0.3199, 0.4586



19.8807, 0.2937, 0.3369



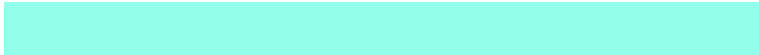
0.0000, 0.0000, 0.0000



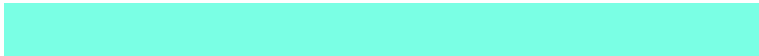
21.4041, 0.3127, 0.3290

Same Dimension

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



83.4187, 0.2639, 0.3543



81.3137, 0.2567, 0.3604



66.4541, 0.2479, 0.2924



20.4155, 0.3007, 0.3338



39.6696, 0.2429, 0.3944



3.8776, 0.2406, 0.3860

Inverse Universe

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



44.2913, 0.4033, 0.3062



37.4456, 0.4331, 0.3022



54.4109, 0.4118, 0.3619



18.0465, 0.3263, 0.3243



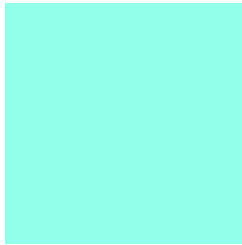
11.2506, 0.6079, 0.3123



1.1101, 0.5782, 0.2959

Previews

White Background



This preview shows how the Yxy color 83.4229, 0.2639, 0.3543 looks on a white background.

Color Contrast Check

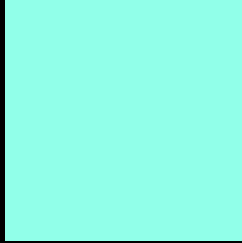
Large Text (above 18pt) WCAG AA × Fail

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 83.4229, 0.2639, 0.3543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

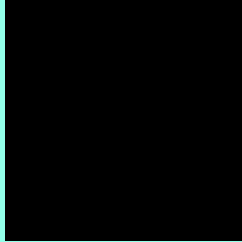
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

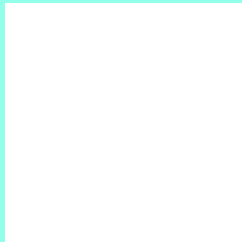
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4229, 0.2639, 0.3543

Background



This preview shows how black text looks on a background with the Yxy color 83.4229, 0.2639, 0.3543.

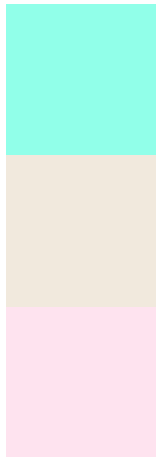


This preview shows how white text looks on a background with the Yxy color 83.4229, 0.2639, 0.3543.

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

83.4229, 0.2639, 0.3543

Protanopia

82.1991, 0.3259, 0.3414

Deuteranopia

82.2410, 0.3237, 0.3172



Tritanopia

82.7905, 0.2762, 0.3161

Trichromacy



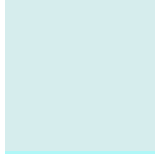
Original Color

83.4229, 0.2639, 0.3543



Protanomaly

81.4686, 0.2997, 0.3464



Deuteranomaly

80.9789, 0.2978, 0.3290



Tritanomaly

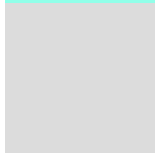
82.4670, 0.2710, 0.3289

Monochromacy



Original Color

83.4229, 0.2639, 0.3543



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.0515, 0.2914, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4229, 0.2639, 0.3543 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 83.4229, 0.2639, 0.3543 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, 233) }
```

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

```
.border{ border-color:rgb(145, 255, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4229, 0.2639, 0.3543 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, 233) }
```

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

```
.background{ background-color: rgb(145,  
255, 233) }
```

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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