

Converting Colors

Yxy(83.4340, 0.2681, 0.3608)

Have a look what the booklet for
Yxy(83.4340, 0.2681, 0.3608)
contains.

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Color

Yxy(83.4556, 0.2685, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	95FFE3
RGB	149, 255, 227
RGB Percent	58%, 100%, 89%
CMY	0.4157, 0.0000, 0.1098
CMYK	0.42, 0.00, 0.11, 0.00
HSL	164°, 100%, 79%
HSV	164°, 42%, 100%
XYZ	62.0200, 83.4556, 85.5114
YIQ	220.1140, -54.1880, -31.1800

Conversions

Conversions Part 2

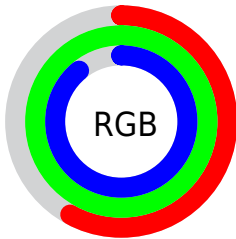
Format	Color
R_{YB}	149, 210, 255
Decimal	9830371
CIE _{Lab}	93.21, -37.07, 3.78
CIE _{LCh}	93, 37.261, 174.184
Yxy	83.4556, 0.2685, 0.3613
Android (android.graphics.Color)	4288020451 (0xFF95FFE3)
YUV	220.1140, 3.3948, -62.3670
Hunter-Lab	91.3540, -38.6864, 8.4498

Details

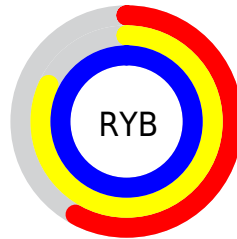
The Yxy color **83.4556, 0.2685, 0.3613** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.9322, 0.3912, 0.2999**, and the grayscale version is **71.6593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **45.5909, 0.2583, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **80.9498, 0.2608, 0.3706**, and if you desaturate by 10%, it is **86.5026, 0.2777, 0.3525**.

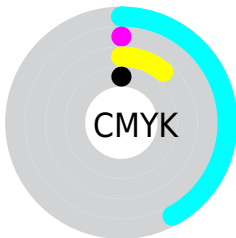
Distribution



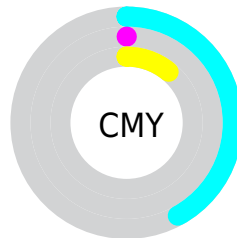
- Red (58%)
- Green (100%)
- Blue (89%)



- Red (58%)
- Yellow (82%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4556, 0.2685, 0.3613 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 83.4556, 0.2685, 0.3613 by changing the saturation by 10% instead.


 83.4556, 0.2685,
0.3613

 83.4556, 0.2685,
0.3613


506.5037, 0.2885,
0.3465

 62.5661, 0.2640,
0.3646


 138.2134, 0.2754,
0.3562

 45.4903, 0.2586,
0.3688


 172.8504, 0.2780,
0.3542

 31.8438, 0.2518,
0.3739


212.8388, 0.2804,
0.3525

 21.2422, 0.2430,
0.3807

258.5628, 0.2824,
0.3510

 13.3011, 0.2313,
0.3897

310.4069, 0.2842,
0.3497

 7.6362, 0.2150,
0.4026


368.7555, 0.2858,


 3.8631, 0.1909,


0.3485


0.4222


433.9929, 0.2872,
0.3474


 1.5973, 0.1403,
0.4617


 0.3558, 0.0000,
0.7425


 83.4556, 0.2685,
0.3613


 83.4556, 0.2685,
0.3613

 80.9498, 0.2608,
0.3706

 86.5026, 0.2777,
0.3525


 78.9481, 0.2547,
0.3803

 90.1199, 0.2880,
0.3443

 77.4121, 0.2506,
0.3903

 94.3377, 0.2992,
0.3368

 76.2972, 0.2485,
0.4004

 99.1831, 0.3109,
0.3300

■ 75.5495, 0.2485,
0.4104

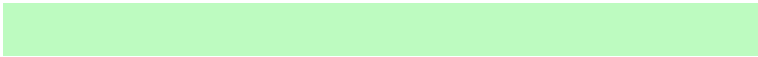
100.0000, 0.3127,
0.3290

■ 75.1352, 0.2496,
0.4187

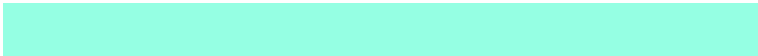
Harmonies

Analogous

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



83.4556, 0.3077, 0.3950



83.4556, 0.2685, 0.3613



83.4556, 0.2422, 0.3190

Triad

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



83.4556, 0.2685, 0.3613



83.4556, 0.2726, 0.2606



83.4556, 0.3984, 0.3659

Complementary

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



83.4556, 0.2685, 0.3613



45.9322, 0.3912, 0.2999

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.



83.4556, 0.3884, 0.3315



83.4556, 0.2685, 0.3613



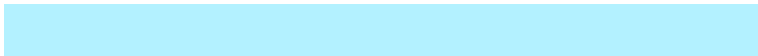
83.4556, 0.3131, 0.2734

Square

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



83.4556, 0.2685, 0.3613



83.4556, 0.2445, 0.2635



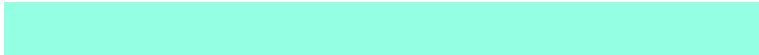
83.4556, 0.3563, 0.2986



83.4556, 0.3836, 0.3941

Rectangle

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



83.4556, 0.2685, 0.3613



83.4556, 0.2345, 0.2939



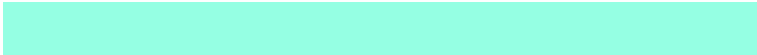
83.4556, 0.3563, 0.2986



83.4556, 0.3979, 0.3547

Sweetspot

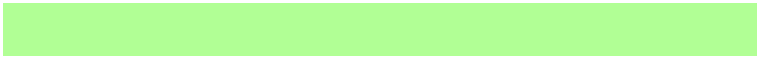
The Sweet Spot groups the original color and five complimentary colors.



83.4564, 0.2685, 0.3613



94.1415, 0.2987, 0.3371



83.0694, 0.3231, 0.4520



20.0255, 0.2972, 0.3381



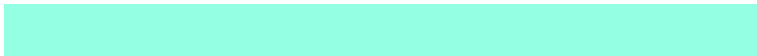
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

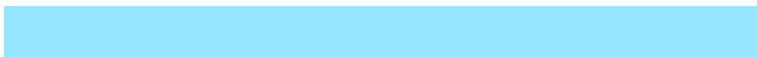
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4564, 0.2685, 0.3613



81.3079, 0.2619, 0.3691



70.3536, 0.2511, 0.3003



20.3947, 0.3015, 0.3354



39.2857, 0.2492, 0.4171



3.8432, 0.2460, 0.4057

Inverse Universe

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



45.9322, 0.3912, 0.2999



39.1479, 0.4163, 0.2945



53.6019, 0.4093, 0.3553



18.0659, 0.3253, 0.3227



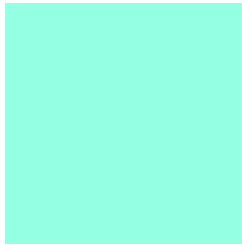
11.3436, 0.5890, 0.3019



1.1216, 0.5573, 0.2844

Previews

White Background



This preview shows how the Yxy color 83.4556, 0.2685, 0.3613 looks on a white background.

Color Contrast Check

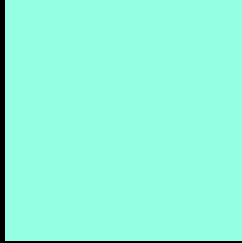
Large Text (above 18pt) WCAG AA × Fail

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 83.4556, 0.2685, 0.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

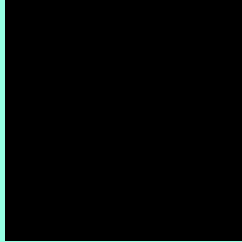
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

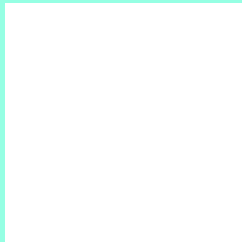
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4556, 0.2685, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 83.4556, 0.2685, 0.3613.

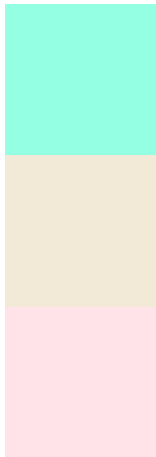


This preview shows how white text looks on a background with the Yxy color 83.4556, 0.2685, 0.3613.

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

83.4556, 0.2685, 0.3613

Protanopia

82.2388, 0.3312, 0.3475

Deuteranopia

82.0814, 0.3284, 0.3231



Tritanopia

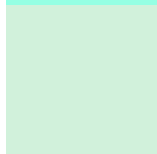
83.0569, 0.2773, 0.3161

Trichromacy



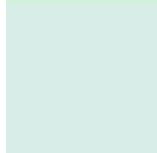
Original Color

83.4556, 0.2685, 0.3613



Protanomaly

81.5804, 0.3051, 0.3529



Deuteranomaly

80.9368, 0.3026, 0.3354



Tritanomaly

82.6978, 0.2736, 0.3311

Monochromacy



Original Color

83.4556, 0.2685, 0.3613



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.0749, 0.2932, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4556, 0.2685, 0.3613 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(149, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 227)  
}
```

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(149, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 83.4556, 0.2685, 0.3613 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(149, 255, 227) }
```

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

```
.border{ border-color:rgb(149, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4556, 0.2685, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 227) }
```

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

```
.background{ background-color: rgb(149,  
255, 227) }
```

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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