

Converting Colors

$Yxy(96.1527, 0.2736, 0.3882)$

Have a look what the booklet for
Yxy(96.1527, 0.2736, 0.3882)
contains.

Yxy(83.1835, 0.2709, 0.3673)	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(83.1835, 0.2709, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	95FFDE
RGB	149, 255, 222
RGB Percent	58%, 100%, 87%
CMY	0.4154, 0.0000, 0.1294
CMYK	0.42, 0.00, 0.13, 0.00
HSL	161°, 100%, 79%
HSV	161°, 42%, 100%
XYZ	61.3515, 83.1835, 81.9379
YIQ	219.5440, -52.5830, -32.7350

Conversions

Conversions Part 2

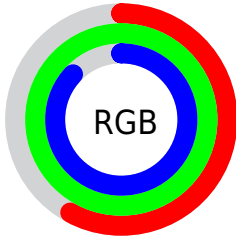
Format	Color
RYB	149, 212, 255
Decimal	9830366
CIELab	93.09, -38.12, 6.18
CIELCh	93, 38.619, 170.794
Yxy	83.1835, 0.2709, 0.3673
Android (android.graphics.Color)	4288020446 (0xFF95FFDE)
YUV	219.5440, 1.2108, -61.8671
Hunter-Lab	91.2050, -39.5359, 10.5778

Details

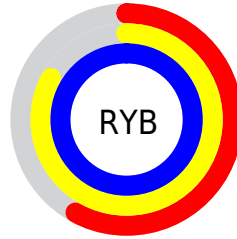
The Yxy color **83.1835, 0.2709, 0.3673** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.1601, 0.3859, 0.2947**, and the grayscale version is **71.2702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **45.4023, 0.2612, 0.3766** is the 20% darker color. If you saturate the color by 10%, you get **80.6277, 0.2636, 0.3784**, and if you desaturate by 10%, it is **86.2911, 0.2796, 0.3568**.

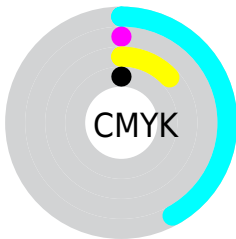
Distribution



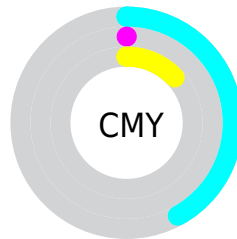
- Red (58%)
- Green (100%)
- Blue (87%)



- Red (58%)
- Yellow (83%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1835, 0.2709, 0.3673 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 83.1835, 0.2709, 0.3673 by changing the saturation by 10% instead.

 83.1835, 0.2709,
0.3673


 83.1835, 0.2709,
0.3673

505.5979, 0.2899,
0.3496

 62.3415, 0.2666,
0.3713


 137.8324, 0.2774,
0.3612

 45.3087, 0.2614,
0.3763


 172.4082, 0.2800,
0.3588

 31.7007, 0.2548,
0.3826


212.3307, 0.2822,
0.3567

 21.1330, 0.2463,
0.3909

257.9843, 0.2842,
0.3549

 13.2212, 0.2350,
0.4021

309.7534, 0.2859,
0.3533

 7.5811, 0.2190,
0.4182

368.0225, 0.2874,

 3.8281, 0.1952,

0.3520

0.4432

433.1758, 0.2887,
0.3507

■ 1.5779, 0.1405,
0.4957

■ 0.3426, 0.0000,
1.0000

■ 83.1835, 0.2709,
0.3673

■ 83.1835, 0.2709,
0.3673

■ 80.6277, 0.2636,
0.3784

■ 86.2911, 0.2796,
0.3568

■ 78.5789, 0.2579,
0.3901

■ 89.9723, 0.2894,
0.3471

■ 77.0012, 0.2542,
0.4020

■ 94.2596, 0.3000,
0.3382

■ 75.8499, 0.2525,
0.4141

■ 99.1803, 0.3110,
0.3302

■ 75.0710, 0.2529,
0.4261

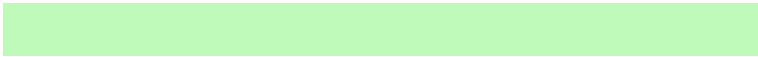
99.9947, 0.3127,
0.3290

■ 74.6331, 0.2545,
0.4360

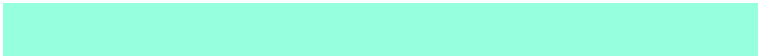
Harmonies

Analogous

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



83.1835, 0.3124, 0.4003



83.1835, 0.2709, 0.3673



83.1835, 0.2418, 0.3233

Triad

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



83.1835, 0.2709, 0.3673



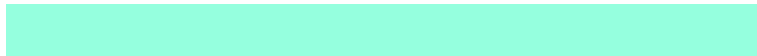
83.1835, 0.2670, 0.2577



83.1835, 0.4017, 0.3631

Complementary

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



83.1835, 0.2709, 0.3673



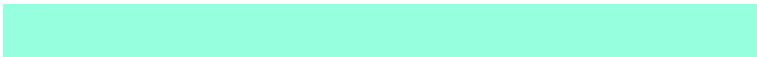
46.1601, 0.3859, 0.2947

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.



83.1835, 0.3885, 0.3274



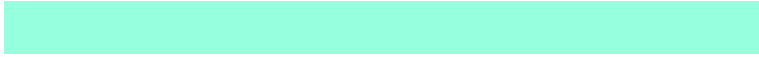
83.1835, 0.2709, 0.3673



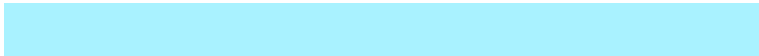
83.1835, 0.3080, 0.2693

Square

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



83.1835, 0.2709, 0.3673



83.1835, 0.2399, 0.2626



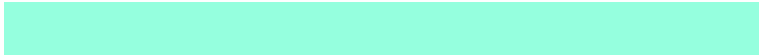
83.1835, 0.3531, 0.2941



83.1835, 0.3891, 0.3936

Rectangle

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



83.1835, 0.2709, 0.3673



83.1835, 0.2325, 0.2965



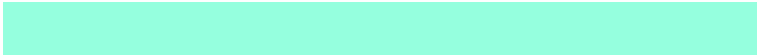
83.1835, 0.3531, 0.2941



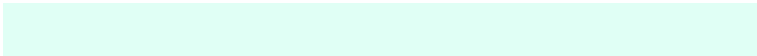
83.1835, 0.4002, 0.3514

Sweetspot

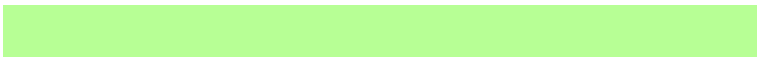
The Sweet Spot groups the original color and five complimentary colors.



83.1868, 0.2709, 0.3673



94.0527, 0.2995, 0.3386



83.7083, 0.3264, 0.4506



20.0045, 0.2980, 0.3397



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

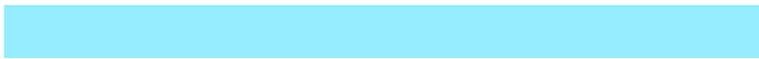
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1868, 0.2709, 0.3673



80.9922, 0.2646, 0.3767



73.3636, 0.2521, 0.3066



20.3795, 0.3022, 0.3365



39.0284, 0.2539, 0.4341



3.8197, 0.2502, 0.4206

Inverse Universe

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



46.1601, 0.3859, 0.2947



39.3657, 0.4092, 0.2883



51.6216, 0.4116, 0.3497



18.0802, 0.3245, 0.3216



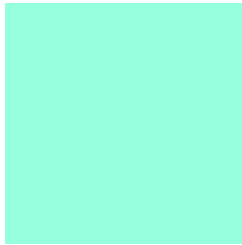
11.4303, 0.5728, 0.2929



1.1316, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 83.1835, 0.2709, 0.3673 looks on a white background.

Color Contrast Check

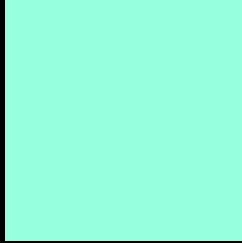
Large Text (above 18pt) WCAG AA × Fail

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 83.1835, 0.2709, 0.3673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

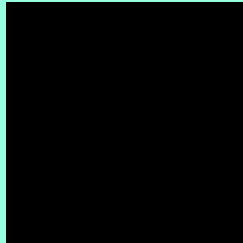
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

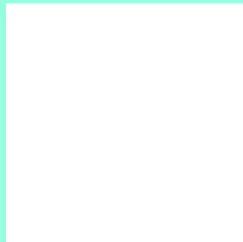
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1835, 0.2709, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 83.1835, 0.2709, 0.3673.

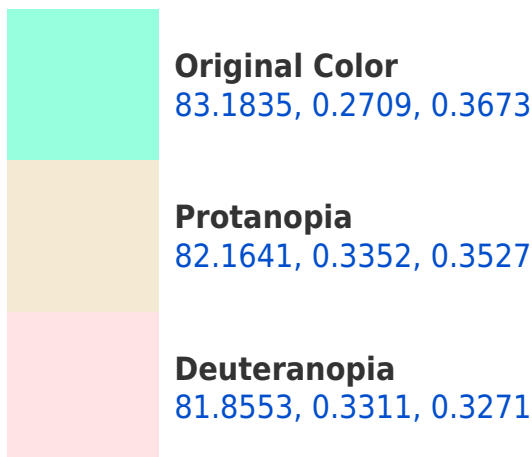


This preview shows how white text looks on a background with the Yxy color 83.1835, 0.2709, 0.3673.

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

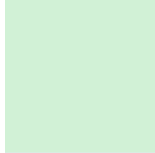
82.9233, 0.2768, 0.3161

Trichromacy



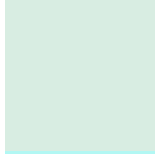
Original Color

83.1835, 0.2709, 0.3673



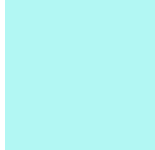
Protanomaly

81.3209, 0.3081, 0.3585



Deuteranomaly

80.6583, 0.3056, 0.3408



Tritanomaly

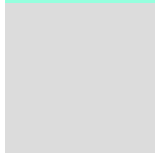
82.4576, 0.2741, 0.3333

Monochromacy



Original Color

83.1835, 0.2709, 0.3673



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.9676, 0.2944, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1835, 0.2709, 0.3673 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 83.1835, 0.2709, 0.3673 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, 222) }
```

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

```
.border{ border-color:rgb(149, 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(149, 255, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1835, 0.2709, 0.3673 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, 222) }
```

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

```
.background{ background-color: rgb(149,  
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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