

Converting Colors

$Yxy(83.4545, 0.2738, 0.3697)$

Have a look what the booklet for
Yxy(83.4545, 0.2738, 0.3697)
contains.

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Color

Yxy(83.4596, 0.2737, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	99FFDC
RGB	153, 255, 220
RGB Percent	60%, 100%, 86%
CMY	0.4002, 0.0000, 0.1373
CMYK	0.40, 0.00, 0.14, 0.00
HSL	159°, 100%, 80%
HSV	159°, 40%, 100%
XYZ	61.8044, 83.4596, 80.5466
YIQ	220.5120, -49.5570, -32.5090

Conversions

Conversions Part 2

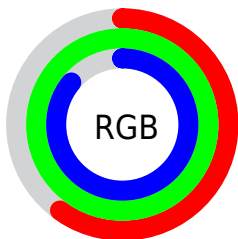
Format	Color
RYB	153, 215, 255
Decimal	10092508
CIELab	93.22, -37.58, 7.42
CIELCh	93, 38.306, 168.829
Yxy	83.4596, 0.2737, 0.3696
Android (android.graphics.Color)	4288282588 (0xFF99FFDC)
YUV	220.5120, -0.2524, -59.2080
Hunter-Lab	91.3562, -39.1145, 11.6748

Details

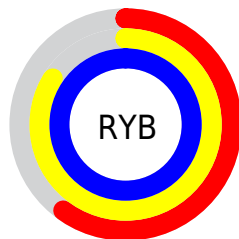
The Yxy color **83.4596, 0.2737, 0.3696** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.6530, 0.3788, 0.2926**, and the grayscale version is **71.9595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.5916, 0.2648, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **80.7808, 0.2664, 0.3819**, and if you desaturate by 10%, it is **86.6795, 0.2823, 0.3581**.

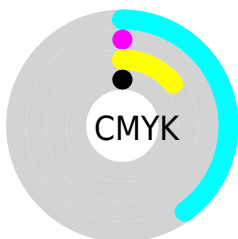
Distribution



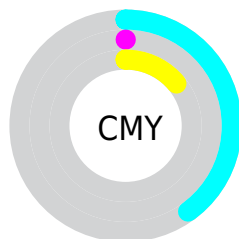
- Red (60%)
- Green (100%)
- Blue (86%)



- Red (60%)
- Yellow (84%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4596, 0.2737, 0.3696 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 83.4596, 0.2737, 0.3696 by changing the saturation by 10% instead.


 83.4596, 0.2737,
0.3696


 83.4596, 0.2737,
0.3696


506.5170, 0.2915,
0.3508

 62.5694, 0.2697,
0.3739


 138.2190, 0.2798,
0.3631

 45.4929, 0.2648,
0.3792


 172.8569, 0.2822,
0.3605

 31.8459, 0.2586,
0.3860


212.8462, 0.2843,
0.3583

 21.2438, 0.2506,
0.3948

258.5713, 0.2861,
0.3564

 13.3023, 0.2398,
0.4069

310.4165, 0.2877,
0.3548

 7.6371, 0.2247,
0.4243


368.7663, 0.2891,


 3.8636, 0.2018,


0.3533

0.4514


434.0049, 0.2904,
0.3520

 1.5976, 0.1503,
0.5073


 0.3560, 0.0000,
1.0000

 83.4596, 0.2737,
0.3696

 83.4596, 0.2737,
0.3696


 80.7808, 0.2664,
0.3819

 86.6795, 0.2823,
0.3581

 78.6285, 0.2608,
0.3947

 90.4918, 0.2918,
0.3475

 76.9576, 0.2570,
0.4080

 94.9189, 0.3021,
0.3378

 75.7242, 0.2553,
0.4214

99.9879, 0.3127,
0.3290

■ 74.8760, 0.2556,
0.4347

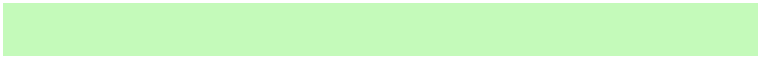
100.0000, 0.3127,
0.3290

■ 74.3285, 0.2577,
0.4478

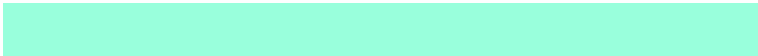
Harmonies

Analogous

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



83.4596, 0.3153, 0.4010



83.4596, 0.2737, 0.3696



83.4596, 0.2438, 0.3263

Triad

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



83.4596, 0.2737, 0.3696



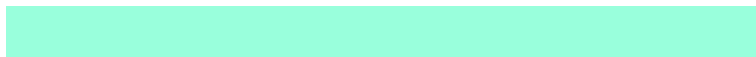
83.4596, 0.2652, 0.2581



83.4596, 0.4009, 0.3606

Complementary

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



83.4596, 0.2737, 0.3696



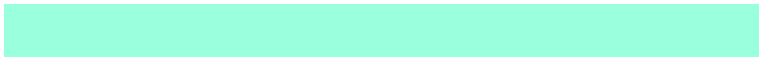
47.6530, 0.3788, 0.2926

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.



83.4596, 0.3861, 0.3251



83.4596, 0.2737, 0.3696



83.4596, 0.3051, 0.2686

Square

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



83.4596, 0.2737, 0.3696



83.4596, 0.2394, 0.2642



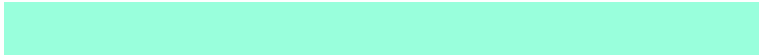
83.4596, 0.3500, 0.2924



83.4596, 0.3900, 0.3915

Rectangle

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



83.4596, 0.2737, 0.3696



83.4596, 0.2337, 0.2992



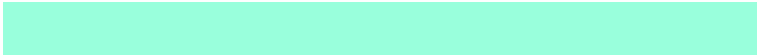
83.4596, 0.3500, 0.2924



83.4596, 0.3988, 0.3489

Sweetspot

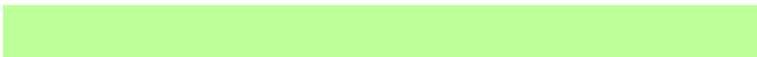
The Sweet Spot groups the original color and five complimentary colors.



83.4530, 0.2737, 0.3696



93.9933, 0.3000, 0.3396



84.5938, 0.3282, 0.4449



19.9905, 0.2986, 0.3408



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

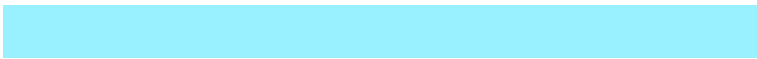
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4530, 0.2737, 0.3696



81.2781, 0.2678, 0.3793



76.1254, 0.2547, 0.3115



20.3693, 0.3026, 0.3373



38.8674, 0.2571, 0.4456



3.8049, 0.2530, 0.4307

Inverse Universe

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



47.6530, 0.3788, 0.2926



41.0052, 0.3990, 0.2857



51.6562, 0.4081, 0.3454



18.0900, 0.3240, 0.3209



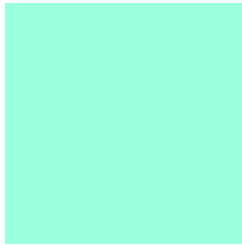
11.4978, 0.5610, 0.2864



1.1391, 0.5293, 0.2689

Previews

White Background



This preview shows how the Yxy color 83.4596, 0.2737, 0.3696 looks on a white background.

Color Contrast Check

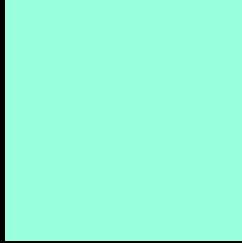
Large Text (above 18pt) WCAG AA × Fail

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 83.4596, 0.2737, 0.3696 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

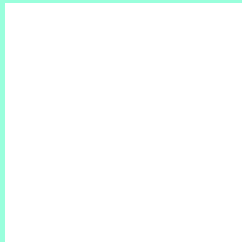
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4596, 0.2737, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 83.4596, 0.2737, 0.3696.

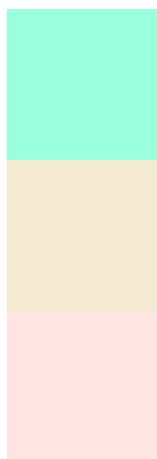


This preview shows how white text looks on a background with the Yxy color 83.4596, 0.2737, 0.3696.

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

83.4596, 0.2737, 0.3696

Protanopia

82.6822, 0.3357, 0.3547

Deuteranopia

82.3482, 0.3316, 0.3291



Tritanopia

83.1915, 0.2779, 0.3162

Trichromacy



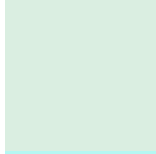
Original Color

83.4596, 0.2737, 0.3696



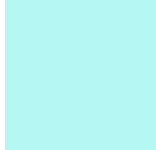
Protanomaly

82.1572, 0.3099, 0.3605



Deuteranomaly

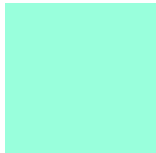
81.4907, 0.3075, 0.3429



Tritanomaly

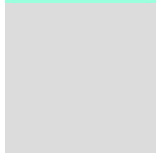
82.7561, 0.2762, 0.3344

Monochromacy



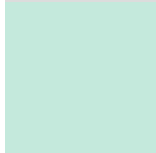
Original Color

83.4596, 0.2737, 0.3696



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1809, 0.2963, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4596, 0.2737, 0.3696 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(153, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 220)  
}
```

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(153, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 83.4596, 0.2737, 0.3696 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(153, 255, 220) }
```

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

```
.border{ border-color:rgb(153, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 255, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 255, 220); box-shadow:4px 4px 4px 4px rgb(153, 255, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4596, 0.2737, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 220) }
```

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

```
.background{ background-color: rgb(153,  
255, 220) }
```

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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