

Converting Colors

$Yxy(83.7309, 0.2707, 0.3388)$

Have a look what the booklet for
Yxy(83.7309, 0.2707, 0.3388)
contains.

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Color

Yxy(83.9512, 0.2709, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	AAFBF2
RGB	170, 251, 242
RGB Percent	67%, 98%, 95%
CMY	0.3332, 0.0157, 0.0510
CMYK	0.32, 0.00, 0.04, 0.02
HSL	173°, 91%, 83%
HSV	173°, 32%, 98%
XYZ	67.1065, 83.9512, 96.6591
YIQ	225.7550, -45.3870, -19.9710

Conversions

Conversions Part 2

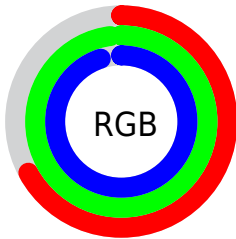
Format	Color
RYB	170, 213, 251
Decimal	11205618
CIELab	93.43, -26.45, -3.55
CIELCh	93, 26.690, 187.633
Yxy	83.9512, 0.2709, 0.3389
Android (android.graphics.Color)	4289395698 (0xFFAAFBF2)
YUV	225.7550, 8.0088, -48.8971
Hunter-Lab	91.6249, -29.6094, 1.5898

Details

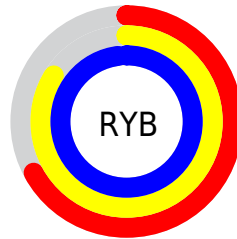
The Yxy color **83.9512, 0.2709, 0.3389** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.5322, 0.3791, 0.3196**, and the grayscale version is **75.8405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **45.7062, 0.2615, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **81.2516, 0.2604, 0.3425**, and if you desaturate by 10%, it is **87.1941, 0.2828, 0.3356**.

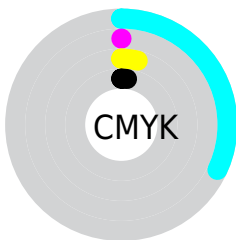
Distribution



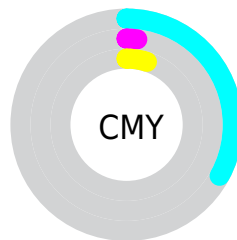
- Red (67%)
- Green (98%)
- Blue (95%)



- Red (67%)
- Yellow (84%)
- Blue (98%)



- Cyan (32%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)





- Cyan (33%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9512, 0.2709, 0.3389 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 83.9512, 0.2709, 0.3389 by changing the saturation by 10% instead.


 83.9512, 0.2709,
0.3389

 83.9512, 0.2709,
0.3389


508.1512, 0.2896,
0.3346

 62.9751, 0.2668,
0.3398


 138.9069, 0.2773,
0.3375

 45.8211, 0.2618,
0.3409

173.6554, 0.2798,
0.3369

 32.1047, 0.2555,
0.3422


213.7634, 0.2820,
0.3364

 21.4415, 0.2476,
0.3438

259.6154, 0.2839,
0.3360

 13.4471, 0.2371,
0.3459

311.5958, 0.2855,
0.3356

 7.7371, 0.2226,
0.3486

370.0890, 0.2870,

 3.9272, 0.2014,

0.3352

0.3521

435.4793, 0.2884,
0.3349

1.6329, 0.1676,
0.3567

0.3796, 0.0000,
0.3647

83.9512, 0.2709,
0.3389

83.9512, 0.2709,
0.3389

81.2516, 0.2604,
0.3425

87.1941, 0.2828,
0.3356

79.0548, 0.2514,
0.3462

90.9984, 0.2958,
0.3325

77.3305, 0.2443,
0.3500

95.3934, 0.3095,
0.3296

76.0412, 0.2392,
0.3539

97.3559, 0.3140,
0.3269

■ 75.1434, 0.2360,
0.3578

■ 97.4736, 0.3129,
0.3252

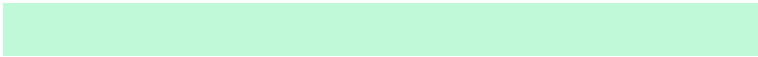
■ 74.5848, 0.2347,
0.3617

■ 74.3242, 0.2346,
0.3647

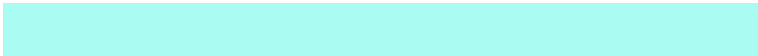
Harmonies

Analogous

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



83.9512, 0.2962, 0.3661



83.9512, 0.2709, 0.3389



83.9512, 0.2569, 0.3101

Triad

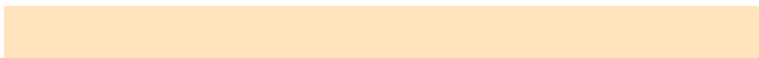
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9512, 0.2709, 0.3389



83.9512, 0.2965, 0.2817



83.9512, 0.3714, 0.3665

Complementary

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



83.9512, 0.2709, 0.3389



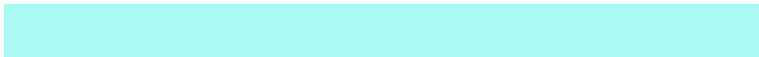
52.5322, 0.3791, 0.3196

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.



83.9512, 0.3720, 0.3431



83.9512, 0.2709, 0.3389



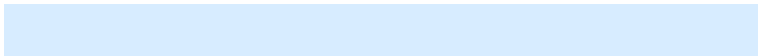
83.9512, 0.3275, 0.2957

Square

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



83.9512, 0.2709, 0.3389



83.9512, 0.2711, 0.2789



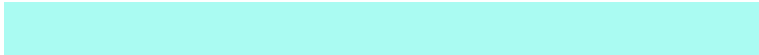
83.9512, 0.3556, 0.3176



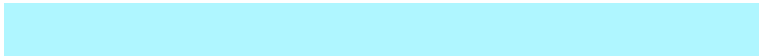
83.9512, 0.3545, 0.3815

Rectangle

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



83.9512, 0.2709, 0.3389



83.9512, 0.2553, 0.2946



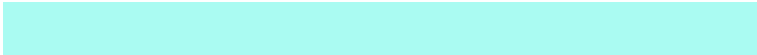
83.9512, 0.3556, 0.3176



83.9512, 0.3735, 0.3594

Sweetspot

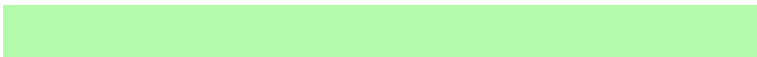
The Sweet Spot groups the original color and five complimentary colors.



83.9546, 0.2709, 0.3389



95.2989, 0.2988, 0.3318



81.5397, 0.3139, 0.4234



20.2672, 0.2969, 0.3322



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

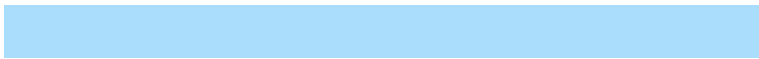
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9546, 0.2709, 0.3389



85.0704, 0.2636, 0.3413



66.6847, 0.2622, 0.2934



19.5733, 0.2995, 0.3316



39.0819, 0.2345, 0.3640



3.6289, 0.2332, 0.3594

Inverse Universe

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



52.5322, 0.3791, 0.3196



47.6623, 0.3998, 0.3176



65.2222, 0.3770, 0.3619



17.2566, 0.3276, 0.3264



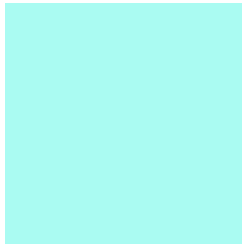
10.8347, 0.6269, 0.3227



1.0134, 0.6028, 0.3095

Previews

White Background



This preview shows how the Yxy color 83.9512, 0.2709, 0.3389 looks on a white background.

Color Contrast Check

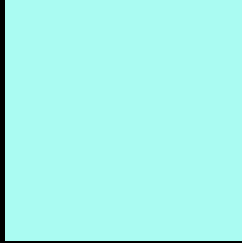
Large Text (above 18pt) WCAG AA × Fail

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 83.9512, 0.2709, 0.3389 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 83.9512, 0.2709, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 83.9512, 0.2709, 0.3389.

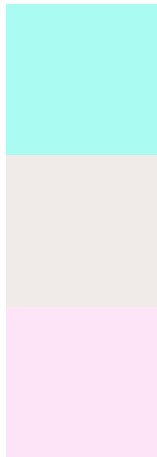


This preview shows how white text looks on a background with the Yxy color 83.9512, 0.2709, 0.3389.

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

83.9512, 0.2709, 0.3389

Protanopia

83.1971, 0.3180, 0.3311

Deuteranopia

83.0849, 0.3177, 0.3104



Tritanopia

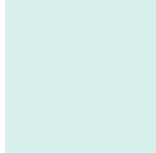
83.8777, 0.2808, 0.3163

Trichromacy



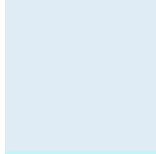
Original Color

83.9512, 0.2709, 0.3389



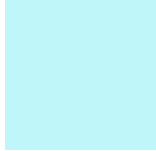
Protanomaly

82.8234, 0.2990, 0.3332



Deuteranomaly

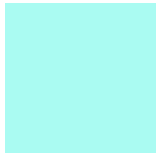
82.2715, 0.2988, 0.3196



Tritanomaly

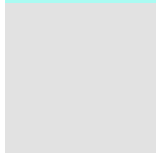
83.7608, 0.2769, 0.3246

Monochromacy



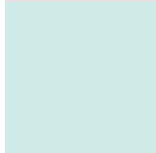
Original Color

83.9512, 0.2709, 0.3389



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.3647, 0.2956, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9512, 0.2709, 0.3389 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(170, 251, 242)` looks like.

```
.text, #text, p{  
    color:rgb(170, 251, 242)  
}
```

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(170, 251, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 251, 242) }
```

Border

The CSS property to change the border of an element to Yxy 83.9512, 0.2709, 0.3389 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(170, 251, 242) }
```

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

```
.border{ border-color:rgb(170, 251, 242) }
```

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

Here you see how a box with a 4 pixel rgb(170, 251, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 251, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 251, 242);  
box-shadow:4px 4px 4px 4px rgb(170, 251,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9512, 0.2709, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 251, 242) }
```

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

```
.background{ background-color: rgb(170,  
251, 242) }
```

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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