

Converting Colors

Yxy(83.4460, 0.2796, 0.3790)

Have a look what the booklet for
Yxy(83.4460, 0.2796, 0.3790)
contains.

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Color

Yxy(83.4416, 0.2796, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	9DFFD4
RGB	157, 255, 212
RGB Percent	62%, 100%, 83%
CMY	0.3841, 0.0000, 0.1685
CMYK	0.38, 0.00, 0.17, 0.00
HSL	154°, 100%, 81%
HSV	154°, 38%, 100%
XYZ	61.5574, 83.4416, 75.1635
YIQ	220.7960, -44.6050, -34.1490

Conversions

Conversions Part 2

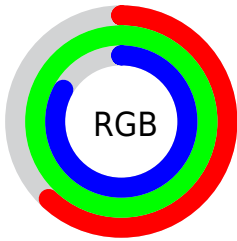
Format	Color
RYB	157, 220, 255
Decimal	10354644
CIELab	93.21, -38.12, 11.53
CIELCh	93, 39.830, 163.172
Yxy	83.4416, 0.2796, 0.3790
Android (android.graphics.Color)	4288544724 (0xFF9DFFD4)
YUV	220.7960, -4.3364, -55.9491
Hunter-Lab	91.3464, -39.5667, 15.1563

Details

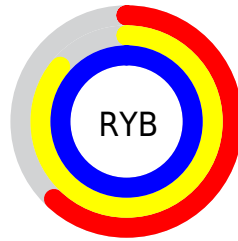
The Yxy color **83.4416, 0.2796, 0.3790** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.5612, 0.3659, 0.2846**, and the grayscale version is **72.2207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **45.5892, 0.2722, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **80.5959, 0.2730, 0.3949**, and if you desaturate by 10%, it is **86.8684, 0.2873, 0.3642**.

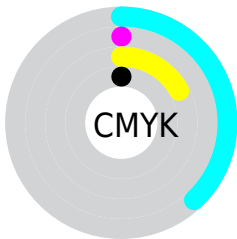
Distribution



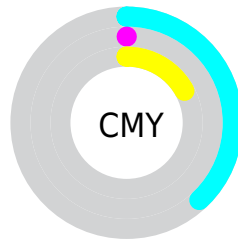
- Red (62%)
- Green (100%)
- Blue (83%)



- Red (62%)
- Yellow (86%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4416, 0.2796, 0.3790 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 83.4416, 0.2796, 0.3790 by changing the saturation by 10% instead.


 83.4416, 0.2796,
0.3790

 83.4416, 0.2796,
0.3790

506.4571, 0.2949,
0.3556

 62.5545, 0.2761,
0.3844

 138.1938, 0.2849,
0.3708

 45.4809, 0.2718,
0.3911


 172.8277, 0.2870,
0.3677

 31.8364, 0.2663,
0.3997


212.8126, 0.2888,
0.3649

 21.2366, 0.2592,
0.4110

258.5330, 0.2903,
0.3626

 13.2970, 0.2495,
0.4264

310.3733, 0.2917,
0.3605

 7.6334, 0.2355,
0.4490

368.7178, 0.2929,

 3.8613, 0.2140,

0.3587

0.4848

433.9509, 0.2940,
0.3571

■ 1.5963, 0.1616,
0.5618

■ 0.3551, 0.0000,
1.0000

■ 83.4416, 0.2796,
0.3790

■ 83.4416, 0.2796,
0.3790

■ 80.5959, 0.2730,
0.3949

■ 86.8684, 0.2873,
0.3642

■ 78.2869, 0.2680,
0.4116

■ 90.8977, 0.2958,
0.3506

■ 76.4797, 0.2647,
0.4289

■ 95.5618, 0.3049,
0.3383

■ 75.1311, 0.2634,
0.4463

99.9972, 0.3127,
0.3290

■ 74.1898, 0.2642,
0.4635

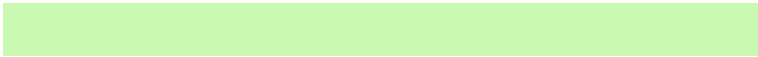
■ 73.5846, 0.2669,
0.4800

■ 73.5040, 0.2674,
0.4826

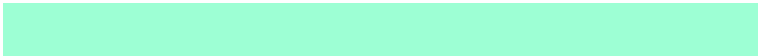
Harmonies

Analogous

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



83.4416, 0.3239, 0.4076



83.4416, 0.2796, 0.3790



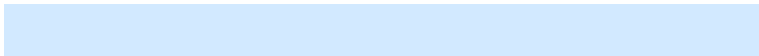
83.4416, 0.2457, 0.3346

Triad

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



83.4416, 0.2796, 0.3790



83.4416, 0.2570, 0.2553



83.4416, 0.4036, 0.3548

Complementary

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



83.4416, 0.2796, 0.3790



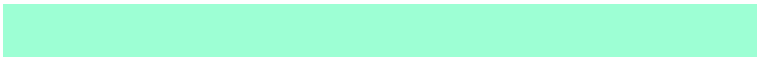
49.5612, 0.3659, 0.2846

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.



83.4416, 0.3833, 0.3181



83.4416, 0.2796, 0.3790



83.4416, 0.2961, 0.2632

Square

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



83.4416, 0.2796, 0.3790



83.4416, 0.2337, 0.2649



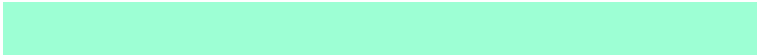
83.4416, 0.3428, 0.2856



83.4416, 0.3970, 0.3884

Rectangle

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



83.4416, 0.2796, 0.3790



83.4416, 0.2328, 0.3054



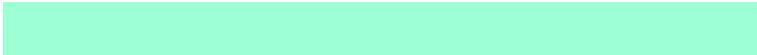
83.4416, 0.3428, 0.2856



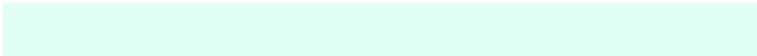
83.4416, 0.3997, 0.3425

Sweetspot

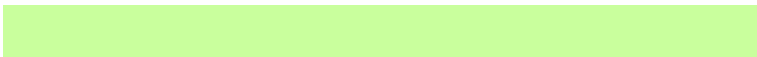
The Sweet Spot groups the original color and five complimentary colors.



83.4450, 0.2796, 0.3790



93.8166, 0.3016, 0.3426



86.3881, 0.3341, 0.4375



19.9488, 0.3004, 0.3442



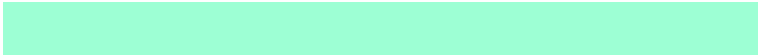
0.0000, 0.0000, 0.0000



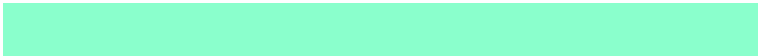
21.4041, 0.3127, 0.3290

Same Dimension

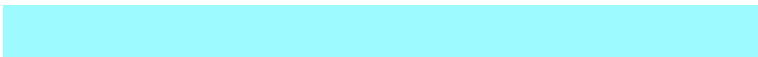
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4450, 0.2796, 0.3790



81.2352, 0.2745, 0.3910



82.8252, 0.2584, 0.3234



20.3390, 0.3039, 0.3396



38.4395, 0.2666, 0.4799



3.7647, 0.2614, 0.4611

Inverse Universe

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



49.5612, 0.3659, 0.2846



43.0322, 0.3815, 0.2760



49.5173, 0.4069, 0.3344



18.1195, 0.3225, 0.3186



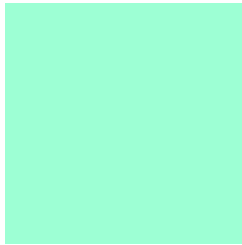
11.7474, 0.5224, 0.2651



1.1653, 0.4938, 0.2494

Previews

White Background



This preview shows how the Yxy color 83.4416, 0.2796, 0.3790 looks on a white background.

Color Contrast Check

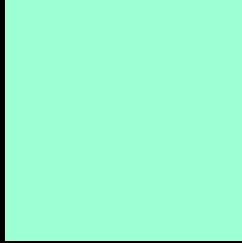
Large Text (above 18pt) WCAG AA × Fail

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 83.4416, 0.2796, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

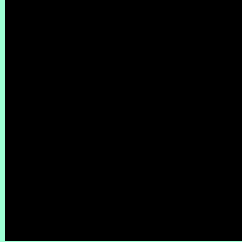
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.4416, 0.2796, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 83.4416, 0.2796, 0.3790.

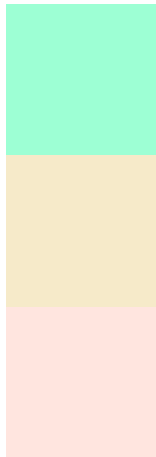


This preview shows how white text looks on a background with the Yxy color 83.4416, 0.2796, 0.3790.

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

83.4416, 0.2796, 0.3790

Protanopia

82.6555, 0.3424, 0.3630

Deuteranopia

82.6263, 0.3349, 0.3350



Tritanopia

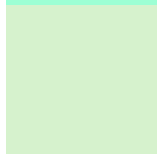
82.7300, 0.2784, 0.3151

Trichromacy



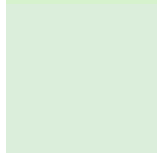
Original Color

83.4416, 0.2796, 0.3790



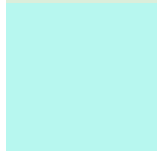
Protanomaly

82.2082, 0.3167, 0.3693



Deuteranomaly

81.3236, 0.3118, 0.3493



Tritanomaly

82.8208, 0.2788, 0.3377

Monochromacy



Original Color

83.4416, 0.2796, 0.3790



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3455, 0.2987, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4416, 0.2796, 0.3790 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(157, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 212)  
}
```

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(157, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 83.4416, 0.2796, 0.3790 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(157, 255, 212) }
```

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

```
.border{ border-color:rgb(157, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(157, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4416, 0.2796, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 212) }
```

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

```
.background{ background-color: rgb(157,  
255, 212) }
```

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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