

Converting Colors

$Y_{xy}(83.3556, 0.2747, 0.3720)$

Have a look what the booklet for
Yxy(83.3556, 0.2747, 0.3720)
contains.

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Color

Yxy(83.3543, 0.2747, 0.3720)

Conversions

Conversions Part 1

Format	Color
Hex	99FFDA
RGB	153, 255, 218
RGB Percent	60%, 100%, 85%
CMY	0.3999, 0.0000, 0.1451
CMYK	0.40, 0.00, 0.15, 0.00
HSL	158°, 100%, 80%
HSV	158°, 40%, 100%
XYZ	61.5522, 83.3543, 79.1642
YIQ	220.2840, -48.9150, -33.1310

Conversions

Conversions Part 2

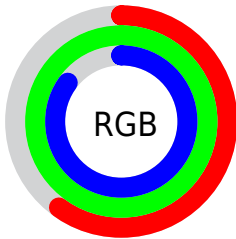
Format	Color
RYB	153, 215, 255
Decimal	10092506
CIELab	93.17, -37.97, 8.38
CIELCh	93, 38.886, 167.551
Yxy	83.3543, 0.2747, 0.3720
Android (android.graphics.Color)	4288282586 (0xFF99FFDA)
YUV	220.2840, -1.1260, -59.0081
Hunter-Lab	91.2986, -39.4303, 12.4992

Details

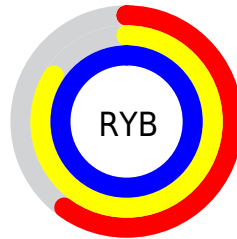
The Yxy color **83.3543, 0.2747, 0.3720** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.7672, 0.3767, 0.2906**, and the grayscale version is **71.8146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.5193, 0.2660, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **80.6620, 0.2676, 0.3850**, and if you desaturate by 10%, it is **86.6057, 0.2831, 0.3598**.

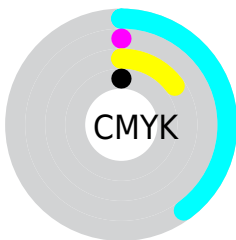
Distribution



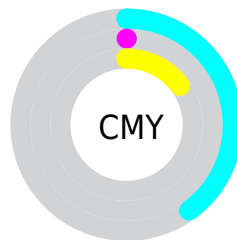
- Red (60%)
- Green (100%)
- Blue (85%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3543, 0.2747, 0.3720 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 83.3543, 0.2747, 0.3720 by changing the saturation by 10% instead.

 83.3543, 0.2747,
0.3720


 83.3543, 0.2747,
0.3720


506.1666, 0.2921,
0.3520

 62.4825, 0.2708,
0.3766


 138.0716, 0.2807,
0.3650

 45.4227, 0.2659,
0.3823


 172.6858, 0.2830,
0.3623

 31.7905, 0.2599,
0.3895


212.6497, 0.2851,
0.3600

 21.2015, 0.2520,
0.3990

258.3475, 0.2868,
0.3580

 13.2714, 0.2414,
0.4119

310.1637, 0.2884,
0.3562

 7.6157, 0.2263,
0.4306

368.4827, 0.2898,

 3.8500, 0.2036,

0.3547

0.4599

433.6888, 0.2910,
0.3533

■ 1.5900, 0.1504,
0.5212

■ 0.3509, 0.0000,
1.0000

■ 83.3543, 0.2747,
0.3720

■ 83.3543, 0.2747,
0.3720

■ 80.6620, 0.2676,
0.3850

■ 86.6057, 0.2831,
0.3598

■ 78.4915, 0.2622,
0.3987

■ 90.4449, 0.2924,
0.3485

■ 76.8052, 0.2586,
0.4128

■ 94.9018, 0.3024,
0.3382

■ 75.5591, 0.2570,
0.4271

100.0000, 0.3127,
0.3290

■ 74.7008, 0.2575,
0.4412

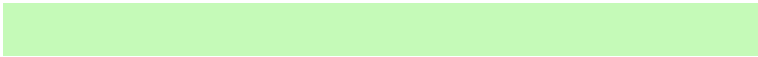
■ 74.1451, 0.2597,
0.4550

■ 74.1447, 0.2597,
0.4550

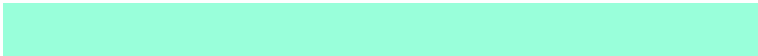
Harmonies

Analogous

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



83.3543, 0.3172, 0.4031



83.3543, 0.2747, 0.3720



83.3543, 0.2438, 0.3281

Triad

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



83.3543, 0.2747, 0.3720



83.3543, 0.2630, 0.2570



83.3543, 0.4021, 0.3595

Complementary

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



83.3543, 0.2747, 0.3720



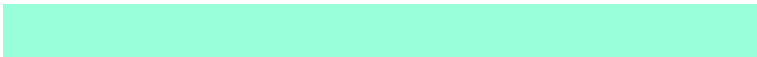
47.7672, 0.3767, 0.2906

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.



83.3543, 0.3861, 0.3235



83.3543, 0.2747, 0.3720



83.3543, 0.3030, 0.2670

Square

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



83.3543, 0.2747, 0.3720



83.3543, 0.2376, 0.2638



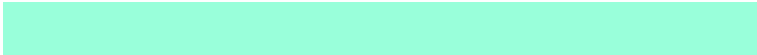
83.3543, 0.3487, 0.2907



83.3543, 0.3921, 0.3912

Rectangle

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



83.3543, 0.2747, 0.3720



83.3543, 0.2329, 0.3003



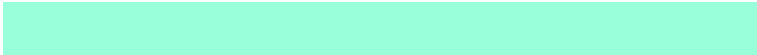
83.3543, 0.3487, 0.2907



83.3543, 0.3997, 0.3476

Sweetspot

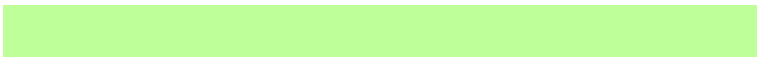
The Sweet Spot groups the original color and five complimentary colors.



83.3553, 0.2747, 0.3720



93.9565, 0.3003, 0.3402



84.8206, 0.3293, 0.4444



19.9818, 0.2990, 0.3415



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

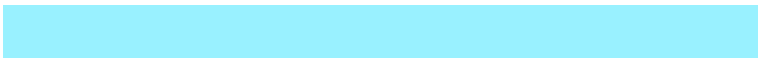
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3553, 0.2747, 0.3720



81.1560, 0.2689, 0.3824



77.1430, 0.2550, 0.3135



20.3630, 0.3029, 0.3378



38.7719, 0.2591, 0.4528



3.7961, 0.2547, 0.4370

Inverse Universe

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



47.7672, 0.3767, 0.2906



41.1010, 0.3963, 0.2832



51.0571, 0.4088, 0.3436



18.0960, 0.3237, 0.3204



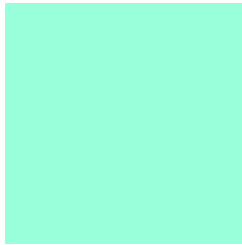
11.5436, 0.5533, 0.2822



1.1440, 0.5220, 0.2649

Previews

White Background



This preview shows how the Yxy color 83.3543, 0.2747, 0.3720 looks on a white background.

Color Contrast Check

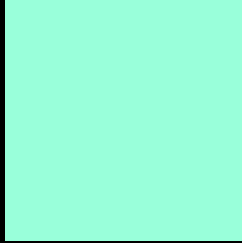
Large Text (above 18pt) WCAG AA × Fail

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 83.3543, 0.2747, 0.3720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

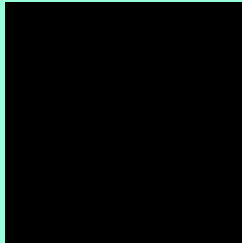
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3543, 0.2747, 0.3720

Background



This preview shows how black text looks on a background with the Yxy color 83.3543, 0.2747, 0.3720.

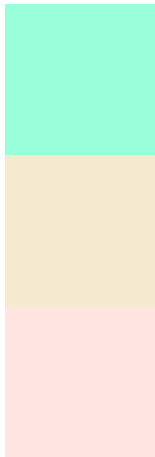


This preview shows how white text looks on a background with the Yxy color 83.3543, 0.2747, 0.3720.

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

83.3543, 0.2747, 0.3720

Protanopia

82.1953, 0.3379, 0.3558

Deuteranopia

82.2378, 0.3330, 0.3311



Tritanopia

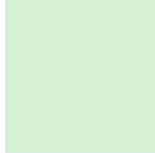
83.0569, 0.2773, 0.3161

Trichromacy



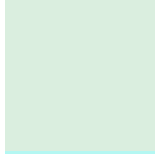
Original Color

83.3543, 0.2747, 0.3720



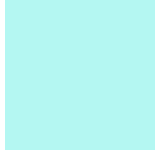
Protanomaly

81.6108, 0.3118, 0.3617



Deuteranomaly

81.3822, 0.3087, 0.3450



Tritanomaly

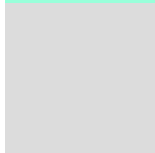
82.6356, 0.2756, 0.3344

Monochromacy



Original Color

83.3543, 0.2747, 0.3720



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1281, 0.2968, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3543, 0.2747, 0.3720 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 83.3543, 0.2747, 0.3720 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, 218) }
```

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

```
.border{ border-color:rgb(153, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3543, 0.2747, 0.3720 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, 218) }
```

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

```
.background{ background-color: rgb(153,  
255, 218) }
```

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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