

Converting Colors

$Yxy(83.3183, 0.2751, 0.3729)$

Have a look what the booklet for
Yxy(83.3183, 0.2751, 0.3729)
contains.

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Color

Yxy(83.3021, 0.2752, 0.3732)

Conversions

Conversions Part 1

Format	Color
Hex	99FFD9
RGB	153, 255, 217
RGB Percent	60%, 100%, 85%
CMY	0.3998, 0.0000, 0.1490
CMYK	0.40, 0.00, 0.15, 0.00
HSL	158°, 100%, 80%
HSV	158°, 40%, 100%
XYZ	61.4275, 83.3021, 78.4808
YIQ	220.1700, -48.5940, -33.4420

Conversions

Conversions Part 2

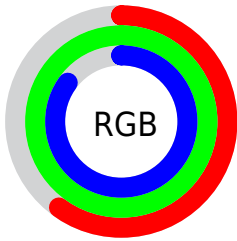
Format	Color
RYB	153, 216, 255
Decimal	10092505
CIELab	93.15, -38.17, 8.86
CIELCh	93, 39.182, 166.927
Yxy	83.3021, 0.2752, 0.3732
Android (android.graphics.Color)	4288282585 (0xFF99FFD9)
YUV	220.1700, -1.5628, -58.9081
Hunter-Lab	91.2700, -39.5865, 12.9070

Details

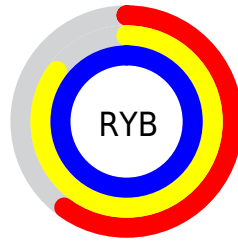
The Yxy color **83.3021, 0.2752, 0.3732** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.8239, 0.3757, 0.2896**, and the grayscale version is **71.7413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.4836, 0.2666, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **80.6021, 0.2682, 0.3866**, and if you desaturate by 10%, it is **86.5676, 0.2835, 0.3606**.

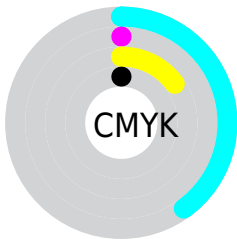
Distribution



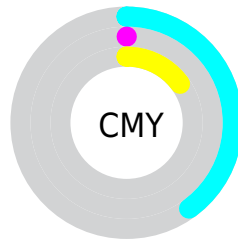
- Red (60%)
- Green (100%)
- Blue (85%)



- Red (60%)
- Yellow (85%)
- 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 83.3021, 0.2752, 0.3732 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 83.3021, 0.2752, 0.3732 by changing the saturation by 10% instead.

 83.3021, 0.2752,
0.3732


 83.3021, 0.2752,
0.3732


505.9928, 0.2924,
0.3526

 62.4394, 0.2713,
0.3779


 137.9985, 0.2811,
0.3660

 45.3878, 0.2665,
0.3838


 172.6010, 0.2835,
0.3633

 31.7630, 0.2605,
0.3912


212.5522, 0.2855,
0.3609

 21.1806, 0.2527,
0.4010

258.2365, 0.2872,
0.3588

 13.2560, 0.2421,
0.4144

310.0383, 0.2887,
0.3570

 7.6051, 0.2272,
0.4338


368.3421, 0.2901,


 3.8433, 0.2044,


0.3553


0.4642


433.5321, 0.2913,
0.3539


 1.5863, 0.1504,
0.5282


 0.3483, 0.0000,
1.0000


 83.3021, 0.2752,
0.3732

 83.3021, 0.2752,
0.3732


 80.6021, 0.2682,
0.3866

 86.5676, 0.2835,
0.3606

 78.4228, 0.2628,
0.4007

 90.4199, 0.2927,
0.3490

 76.7292, 0.2593,
0.4153

 94.8916, 0.3025,
0.3385

 75.4771, 0.2578,
0.4299

99.9985, 0.3127,
0.3290

■ 74.6142, 0.2584,
0.4445

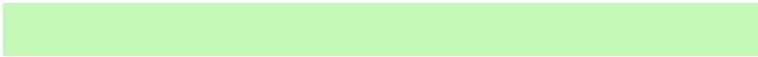
■ 74.0554, 0.2607,
0.4586

■ 74.0543, 0.2607,
0.4587

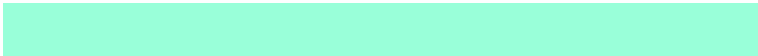
Harmonies

Analogous

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



83.3021, 0.3182, 0.4041



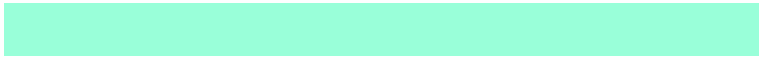
83.3021, 0.2752, 0.3732



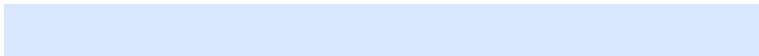
83.3021, 0.2437, 0.3289

Triad

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



83.3021, 0.2752, 0.3732



83.3021, 0.2619, 0.2565



83.3021, 0.4028, 0.3590

Complementary

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



83.3021, 0.2752, 0.3732



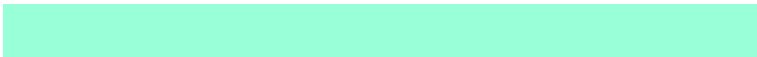
47.8239, 0.3757, 0.2896

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.



83.3021, 0.3860, 0.3227



83.3021, 0.2752, 0.3732



83.3021, 0.3020, 0.2662

Square

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



83.3021, 0.2752, 0.3732



83.3021, 0.2367, 0.2637



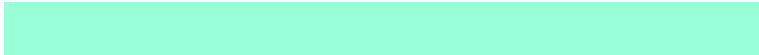
83.3021, 0.3480, 0.2898



83.3021, 0.3931, 0.3911

Rectangle

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



83.3021, 0.2752, 0.3732



83.3021, 0.2326, 0.3009



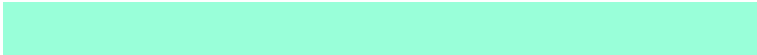
83.3021, 0.3480, 0.2898



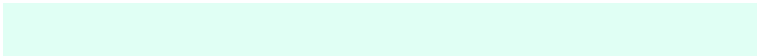
83.3021, 0.4001, 0.3469

Sweetspot

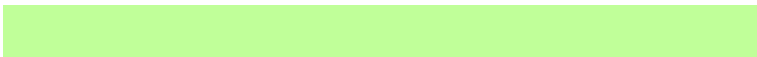
The Sweet Spot groups the original color and five complimentary colors.



83.3055, 0.2752, 0.3732



93.9382, 0.3005, 0.3405



85.0440, 0.3304, 0.4439



19.9775, 0.2992, 0.3419



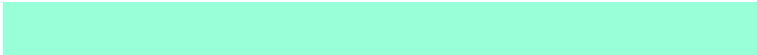
0.0000, 0.0000, 0.0000



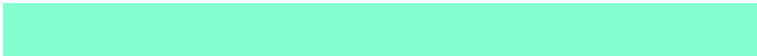
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3055, 0.2752, 0.3732



81.0958, 0.2695, 0.3839



78.1610, 0.2554, 0.3154



20.3599, 0.3030, 0.3380



38.7256, 0.2601, 0.4563



3.7917, 0.2556, 0.4401

Inverse Universe

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



47.8239, 0.3757, 0.2896



41.1494, 0.3949, 0.2820



50.4526, 0.4095, 0.3418



18.0991, 0.3235, 0.3202



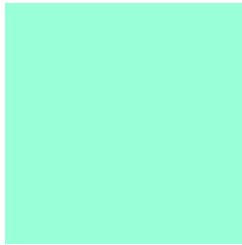
11.5676, 0.5494, 0.2800



1.1466, 0.5184, 0.2629

Previews

White Background



This preview shows how the Yxy color 83.3021, 0.2752, 0.3732 looks on a white background.

Color Contrast Check

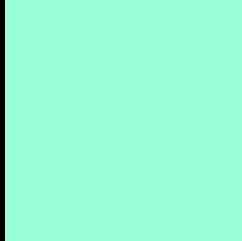
Large Text (above 18pt) WCAG AA × Fail

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 83.3021, 0.2752, 0.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

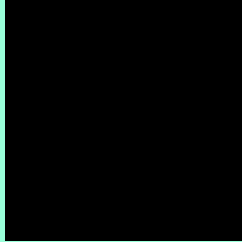
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

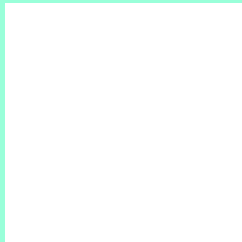
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3021, 0.2752, 0.3732

Background



This preview shows how black text looks on a background with the Yxy color 83.3021, 0.2752, 0.3732.

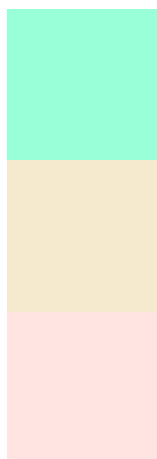


This preview shows how white text looks on a background with the Yxy color 83.3021, 0.2752, 0.3732.

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

83.3021, 0.2752, 0.3732

Protanopia

82.1465, 0.3385, 0.3568

Deuteranopia

82.2378, 0.3330, 0.3311



Tritanopia

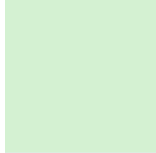
82.4600, 0.2773, 0.3151

Trichromacy



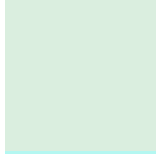
Original Color

83.3021, 0.2752, 0.3732



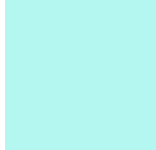
Protanomaly

81.5608, 0.3124, 0.3628



Deuteranomaly

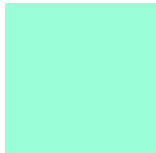
81.3822, 0.3087, 0.3450



Tritanomaly

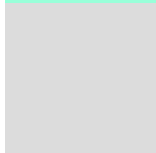
82.5757, 0.2761, 0.3355

Monochromacy



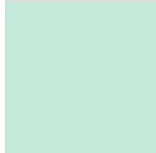
Original Color

83.3021, 0.2752, 0.3732



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 83.3021, 0.2752, 0.3732 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 83.3021, 0.2752, 0.3732 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, 217) }
```

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

```
.border{ border-color:rgb(153, 255, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3021, 0.2752, 0.3732 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, 217) }
```

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

```
.background{ background-color: rgb(153,  
255, 217) }
```

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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