

Converting Colors

$Yxy(83.3506, 0.2764, 0.3747)$

Have a look what the booklet for
Yxy(83.3506, 0.2764, 0.3747)
contains.

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Color

Yxy(83.3479, 0.2761, 0.3744)

Conversions

Conversions Part 1

Format	Color
Hex	9AFFD8
RGB	154, 255, 216
RGB Percent	60%, 100%, 85%
CMY	0.3965, 0.0000, 0.1530
CMYK	0.40, 0.00, 0.15, 0.00
HSL	157°, 100%, 80%
HSV	157°, 40%, 100%
XYZ	61.4646, 83.3479, 77.8047
YIQ	220.3550, -47.6770, -33.5410

Conversions

Conversions Part 2

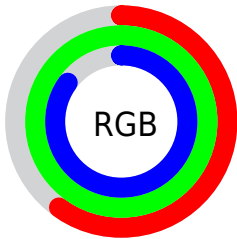
Format	Color
RYB	154, 217, 255
Decimal	10158040
CIELab	93.17, -38.17, 9.41
CIELCh	93, 39.309, 166.144
Yxy	83.3479, 0.2761, 0.3744
Android (android.graphics.Color)	4288348120 (0xFF9AFFD8)
YUV	220.3550, -2.1470, -58.1933
Hunter-Lab	91.2951, -39.5908, 13.3776

Details

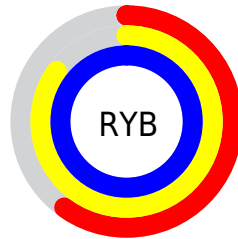
The Yxy color **83.3479, 0.2761, 0.3744** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.1831, 0.3736, 0.2885**, and the grayscale version is **71.8468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **45.5028, 0.2677, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **80.6035, 0.2692, 0.3883**, and if you desaturate by 10%, it is **86.6325, 0.2843, 0.3614**.

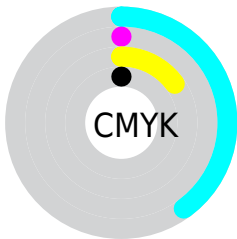
Distribution



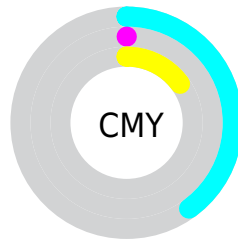
- Red (60%)
- Green (100%)
- Blue (85%)



- 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 83.3479, 0.2761, 0.3744 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 83.3479, 0.2761, 0.3744 by changing the saturation by 10% instead.


 83.3479, 0.2761,
0.3744

 83.3479, 0.2761,
0.3744


506.1452, 0.2929,
0.3532

 62.4772, 0.2723,
0.3793


 138.0626, 0.2819,
0.3670

 45.4184, 0.2676,
0.3853


 172.6754, 0.2842,
0.3642

 31.7871, 0.2617,
0.3930


212.6377, 0.2861,
0.3617

 21.1989, 0.2540,
0.4031

258.3339, 0.2878,
0.3596

 13.2695, 0.2436,
0.4169

310.1483, 0.2893,
0.3577

 7.6144, 0.2289,
0.4369

368.4654, 0.2907,

 3.8492, 0.2064,

0.3560

0.4685

433.6696, 0.2919,
0.3546

■ 1.5896, 0.1527,
0.5348

■ 0.3506, 0.0000,
1.0000

■ 83.3479, 0.2761,
0.3744

■ 83.3479, 0.2761,
0.3744

■ 80.6035, 0.2692,
0.3883

■ 86.6325, 0.2843,
0.3614

■ 78.3971, 0.2639,
0.4029

■ 90.5212, 0.2933,
0.3494

■ 76.6795, 0.2604,
0.4180

■ 95.0322, 0.3030,
0.3385

■ 75.4069, 0.2589,
0.4332

100.0000, 0.3127,
0.3290

■ 74.5272, 0.2596,
0.4483

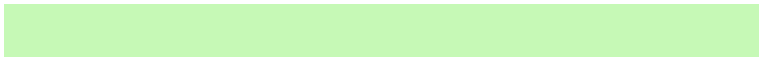
■ 73.9585, 0.2620,
0.4629

■ 73.9409, 0.2621,
0.4635

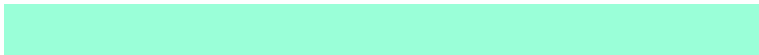
Harmonies

Analogous

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



83.3479, 0.3194, 0.4048



83.3479, 0.2761, 0.3744



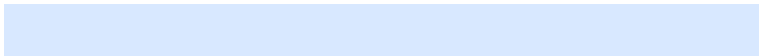
83.3479, 0.2441, 0.3301

Triad

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



83.3479, 0.2761, 0.3744



83.3479, 0.2609, 0.2562



83.3479, 0.4030, 0.3581

Complementary

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



83.3479, 0.2761, 0.3744



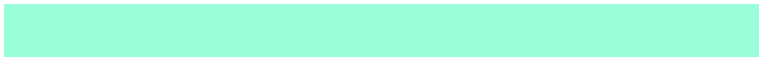
48.1831, 0.3736, 0.2885

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.



83.3479, 0.3855, 0.3217



83.3479, 0.2761, 0.3744



83.3479, 0.3008, 0.2655

Square

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



83.3479, 0.2761, 0.3744



83.3479, 0.2361, 0.2639



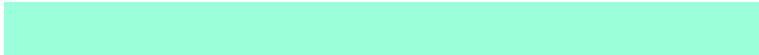
83.3479, 0.3470, 0.2889



83.3479, 0.3940, 0.3906

Rectangle

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



83.3479, 0.2761, 0.3744



83.3479, 0.2326, 0.3018



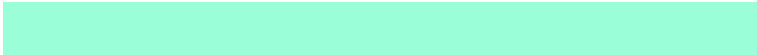
83.3479, 0.3470, 0.2889



83.3479, 0.4000, 0.3460

Sweetspot

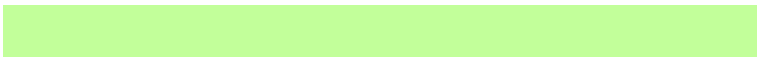
The Sweet Spot groups the original color and five complimentary colors.



83.3371, 0.2761, 0.3744



93.9140, 0.3007, 0.3409



85.3637, 0.3313, 0.4425



19.9718, 0.2994, 0.3423



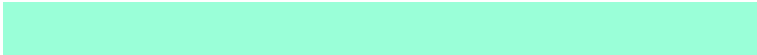
0.0000, 0.0000, 0.0000



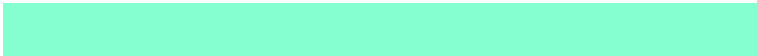
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3371, 0.2761, 0.3744



81.0169, 0.2702, 0.3859



79.3179, 0.2561, 0.3175



20.3557, 0.3032, 0.3383



38.6658, 0.2614, 0.4610



3.7861, 0.2567, 0.4443

Inverse Universe

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



48.1831, 0.3736, 0.2885



41.2141, 0.3931, 0.2804



50.1429, 0.4091, 0.3399



18.1031, 0.3233, 0.3199



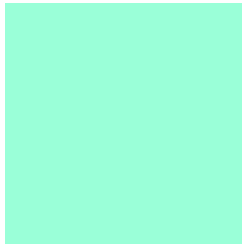
11.6005, 0.5442, 0.2771



1.1501, 0.5135, 0.2603

Previews

White Background



This preview shows how the Yxy color 83.3479, 0.2761, 0.3744 looks on a white background.

Color Contrast Check

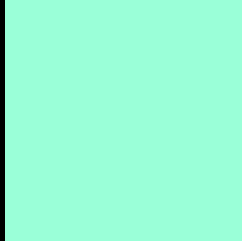
Large Text (above 18pt) WCAG AA × Fail

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 83.3479, 0.2761, 0.3744 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 83.3479, 0.2761, 0.3744

Background



This preview shows how black text looks on a background with the Yxy color 83.3479, 0.2761, 0.3744.

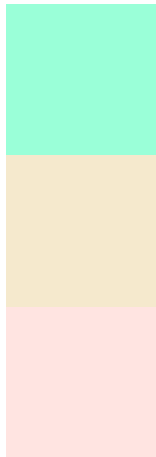


This preview shows how white text looks on a background with the Yxy color 83.3479, 0.2761, 0.3744.

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

83.3479, 0.2761, 0.3744

Protanopia

82.0981, 0.3392, 0.3579

Deuteranopia

82.1830, 0.3336, 0.3321



Tritanopia

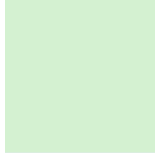
82.5946, 0.2778, 0.3151

Trichromacy



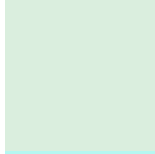
Original Color

83.3479, 0.2761, 0.3744



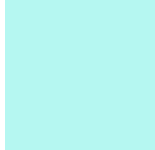
Protanomaly

81.5111, 0.3130, 0.3639



Deuteranomaly

81.3284, 0.3093, 0.3461



Tritanomaly

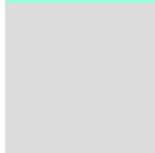
82.6962, 0.2767, 0.3355

Monochromacy



Original Color

83.3479, 0.2761, 0.3744



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 83.3479, 0.2761, 0.3744 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(154, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 216)  
}
```

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(154, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 83.3479, 0.2761, 0.3744 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(154, 255, 216) }
```

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

```
.border{ border-color:rgb(154, 255, 216) }
```

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

Here you see how a box with a 4 pixel rgb(154, 255, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3479, 0.2761, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 216) }
```

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

```
.background{ background-color: rgb(154,  
255, 216) }
```

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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