

Converting Colors

$Yxy(83.7895, 0.2643, 0.3324)$

Have a look what the booklet for
Yxy(83.7895, 0.2643, 0.3324)
contains.

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Color

Yxy(83.5582, 0.2646, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	A3FBF8
RGB	163, 251, 248
RGB Percent	64%, 98%, 97%
CMY	0.3605, 0.0157, 0.0275
CMYK	0.35, 0.00, 0.01, 0.02
HSL	178°, 92%, 81%
HSV	178°, 35%, 98%
XYZ	66.5548, 83.5582, 101.4168
YIQ	224.3460, -51.4850, -19.5890

Conversions

Conversions Part 2

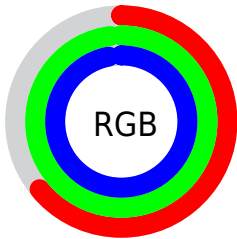
Format	Color
R _Y B	163, 208, 251
Decimal	10746872
CIE Lab	93.26, -26.94, -6.94
CIE LCh	93, 27.821, 194.453
Yxy	83.5582, 0.2646, 0.3322
Android (android.graphics.Color)	4288936952 (0xFFA3FBF8)
YUV	224.3460, 11.6614, -53.8004
Hunter-Lab	91.4102, -30.0038, -1.7933

Details

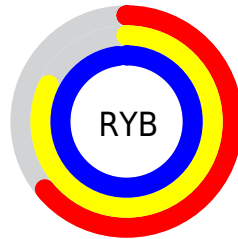
The Yxy color **83.5582, 0.2646, 0.3322** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.4872, 0.3939, 0.3260**, and the grayscale version is **74.7576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **45.5151, 0.2541, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **81.1150, 0.2538, 0.3333**, and if you desaturate by 10%, it is **86.5341, 0.2769, 0.3312**.

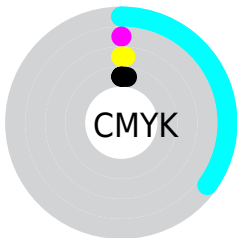
Distribution



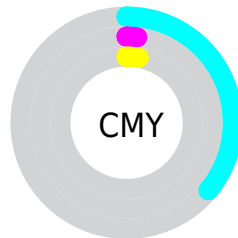
- Red (64%)
- Green (98%)
- Blue (97%)



- Red (64%)
- Yellow (82%)
- Blue (98%)



- Cyan (35%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)




- Cyan (36%)
- Magenta (2%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5582, 0.2646, 0.3322 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 83.5582, 0.2646, 0.3322 by changing the saturation by 10% instead.


 83.5582, 0.2646,
0.3322


 83.5582, 0.2646,
0.3322

506.8450, 0.2860,
0.3311

 62.6507, 0.2599,
0.3324


 138.3570, 0.2719,
0.3319

 45.5587, 0.2542,
0.3325


 173.0171, 0.2747,
0.3318

 31.8977, 0.2471,
0.3326


213.0303, 0.2772,
0.3316

 21.2834, 0.2381,
0.3327

258.7808, 0.2794,
0.3315

 13.3313, 0.2263,
0.3326

310.6532, 0.2814,
0.3314

 7.6571, 0.2101,
0.3321

369.0317, 0.2831,

 3.8763, 0.1868,

0.3313

434.3008, 0.2846,
0.3312

0.3306

1.6046, 0.1500,
0.3265

0.3607, 0.0000,
0.2912

83.5582, 0.2646,
0.3322

83.5582, 0.2646,
0.3322

81.1150, 0.2538,
0.3333

86.5341, 0.2769,
0.3312

79.1634, 0.2448,
0.3344

90.0614, 0.2905,
0.3303

77.6720, 0.2377,
0.3355

94.1700, 0.3051,
0.3294

76.6018, 0.2326,
0.3366

97.2414, 0.3150,
0.3286

■ 75.9075, 0.2294,
0.3377

■ 97.2957, 0.3145,
0.3278

■ 75.5331, 0.2279,
0.3388

■ 97.3503, 0.3140,
0.3270

■ 75.4257, 0.2276,
0.3394

■ 97.4051, 0.3135,
0.3261

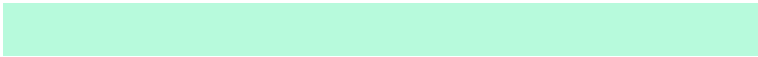
■ 97.4602, 0.3130,
0.3253

■ 97.4699, 0.3129,
0.3252

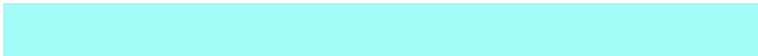
Harmonies

Analogous

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



83.5582, 0.2887, 0.3621



83.5582, 0.2646, 0.3322



83.5582, 0.2532, 0.3032

Triad

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



83.5582, 0.2646, 0.3322



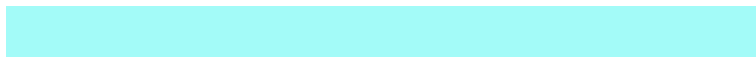
83.5582, 0.3029, 0.2822



83.5582, 0.3713, 0.3727

Complementary

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



83.5582, 0.2646, 0.3322



49.4872, 0.3939, 0.3260

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.



83.5582, 0.3761, 0.3496



83.5582, 0.2646, 0.3322



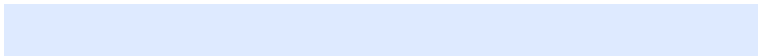
83.5582, 0.3354, 0.2989

Square

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



83.5582, 0.2646, 0.3322



83.5582, 0.2744, 0.2763



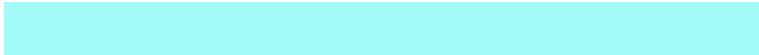
83.5582, 0.3628, 0.3230



83.5582, 0.3504, 0.3855

Rectangle

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



83.5582, 0.2646, 0.3322



83.5582, 0.2539, 0.2887



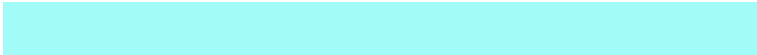
83.5582, 0.3628, 0.3230



83.5582, 0.3749, 0.3658

Sweetspot

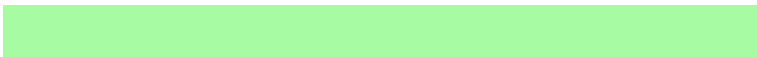
The Sweet Spot groups the original color and five complimentary colors.



83.5615, 0.2646, 0.3322



95.0012, 0.2963, 0.3299



79.9046, 0.3103, 0.4339



20.2134, 0.2943, 0.3300



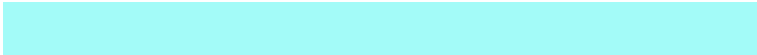
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

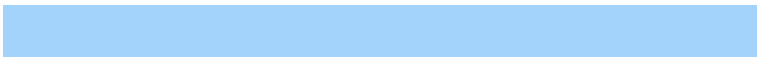
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5615, 0.2646, 0.3322



84.7931, 0.2569, 0.3329



61.5633, 0.2569, 0.2828



19.5977, 0.2985, 0.3298



39.6541, 0.2276, 0.3392



3.6758, 0.2272, 0.3379

Inverse Universe

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



49.4872, 0.3939, 0.3260



44.6611, 0.4186, 0.3255



65.6977, 0.3820, 0.3708



17.2348, 0.3289, 0.3282



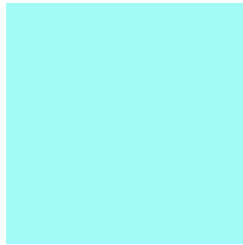
10.7946, 0.6366, 0.3280



1.0030, 0.6280, 0.3233

Previews

White Background



This preview shows how the Yxy color 83.5582, 0.2646, 0.3322 looks on a white background.

Color Contrast Check

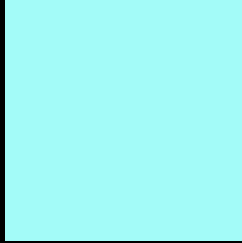
Large Text (above 18pt) WCAG AA × Fail

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 83.5582, 0.2646, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

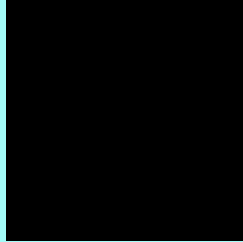
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5582, 0.2646, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 83.5582, 0.2646, 0.3322.

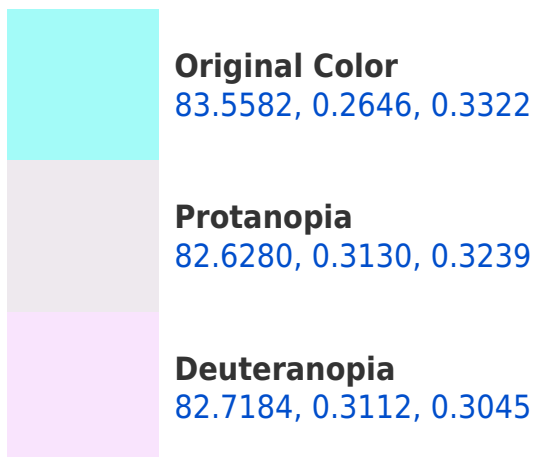


This preview shows how white text looks on a background with the Yxy color 83.5582, 0.2646, 0.3322.

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





Tritanopia

83.3270, 0.2785, 0.3162

Trichromacy



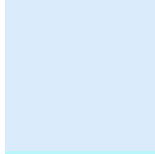
Original Color

83.5582, 0.2646, 0.3322



Protanomaly

82.5799, 0.2931, 0.3268



Deuteranomaly

81.8614, 0.2922, 0.3134



Tritanomaly

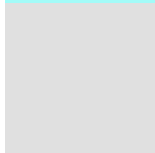
83.2541, 0.2731, 0.3224

Monochromacy



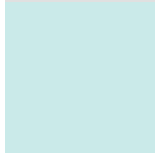
Original Color

83.5582, 0.2646, 0.3322



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.2854, 0.2925, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5582, 0.2646, 0.3322 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(163, 251, 248)` looks like.

```
.text, #text, p{  
    color:rgb(163, 251, 248)  
}
```

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(163, 251, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 251, 248) }
```

Border

The CSS property to change the border of an element to Yxy 83.5582, 0.2646, 0.3322 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(163, 251, 248) }
```

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

```
.border{ border-color:rgb(163, 251, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 251, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 251, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 251, 248);  
box-shadow:4px 4px 4px 4px rgb(163, 251,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5582, 0.2646, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 251, 248) }
```

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

```
.background{ background-color: rgb(163,  
251, 248) }
```

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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