

Converting Colors

$Yxy(83.4110, 0.2629, 0.3371)$

Have a look what the booklet for
Yxy(83.4110, 0.2629, 0.3371)
contains.

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Color

Yxy(83.2813, 0.2628, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	9CFCF5
RGB	156, 252, 245
RGB Percent	61%, 99%, 96%
CMY	0.3883, 0.0117, 0.0391
CMYK	0.38, 0.00, 0.03, 0.01
HSL	176°, 94%, 80%
HSV	176°, 38%, 99%
XYZ	65.0025, 83.2813, 99.0620
YIQ	222.4980, -54.9690, -22.5290

Conversions

Conversions Part 2

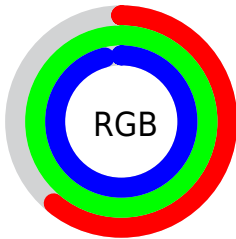
Format	Color
R _Y B	156, 206, 252
Decimal	10288373
CIE Lab	93.14, -29.90, -5.63
CIE LCh	93, 30.424, 190.661
Yxy	83.2813, 0.2628, 0.3367
Android (android.graphics.Color)	4288478453 (0xFF9CFCF5)
YUV	222.4980, 11.0935, -58.3187
Hunter-Lab	91.2586, -32.5590, -0.4788

Details

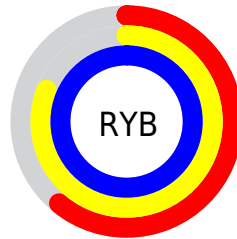
The Yxy color **83.2813, 0.2628, 0.3367** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.1083, 0.4006, 0.3218**, and the grayscale version is **73.3661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **45.3570, 0.2520, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **80.9152, 0.2529, 0.3390**, and if you desaturate by 10%, it is **86.1765, 0.2743, 0.3345**.

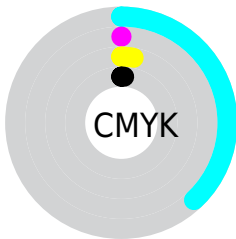
Distribution



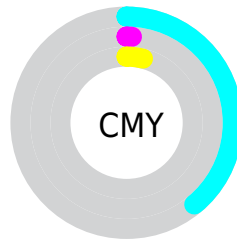
- Red (61%)
- Green (99%)
- Blue (96%)



- Red (61%)
- Yellow (81%)
- Blue (99%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)





- Cyan (39%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2813, 0.2628, 0.3367 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 83.2813, 0.2628, 0.3367 by changing the saturation by 10% instead.

 83.2813, 0.2628,
0.3367

 83.2813, 0.2628,
0.3367


505.9235, 0.2851,
0.3336

 62.4222, 0.2579,
0.3373


 137.9694, 0.2704,
0.3357

 45.3740, 0.2520,
0.3380


 172.5672, 0.2734,
0.3353

 31.7521, 0.2446,
0.3389


212.5133, 0.2759,
0.3349

 21.1722, 0.2352,
0.3398

258.1923, 0.2782,
0.3346

 13.2499, 0.2229,
0.3409

309.9884, 0.2802,
0.3343

 7.6009, 0.2060,
0.3422


368.2860, 0.2820,


 3.8406, 0.1817,


0.3340


0.3432


433.4696, 0.2836,
0.3338


 1.5848, 0.1415,
0.3438


 0.3473, 0.0000,
0.3104


 83.2813, 0.2628,
0.3367


 83.2813, 0.2628,
0.3367

 80.9152, 0.2529,
0.3390


 86.1765, 0.2743,
0.3345


 79.0359, 0.2447,
0.3415


 89.6207, 0.2871,
0.3324


 77.6105, 0.2385,
0.3439


 93.6446, 0.3010,
0.3304


 76.5979, 0.2342,
0.3464


 97.9348, 0.3144,
0.3287

 75.9495, 0.2318,
0.3489

 98.0516, 0.3133,
0.3269

 75.5990, 0.2311,
0.3513

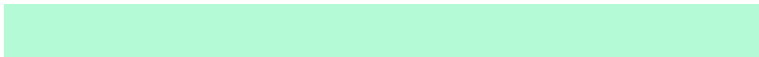
 98.1042, 0.3128,
0.3262

 75.5483, 0.2311,
0.3518

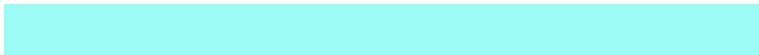
Harmonies

Analogous

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



83.2813, 0.2904, 0.3690



83.2813, 0.2628, 0.3367



83.2813, 0.2486, 0.3042

Triad

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



83.2813, 0.2628, 0.3367



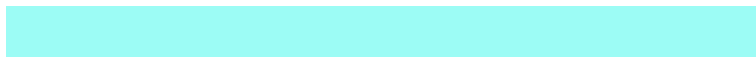
83.2813, 0.2975, 0.2765



83.2813, 0.3786, 0.3738

Complementary

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



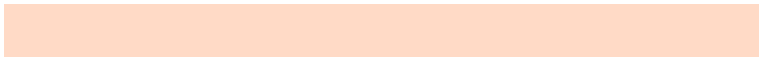
83.2813, 0.2628, 0.3367



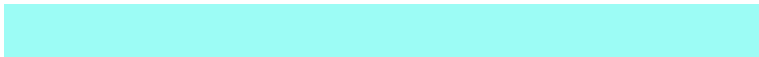
47.1083, 0.4006, 0.3218

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.



83.2813, 0.3814, 0.3476



83.2813, 0.2628, 0.3367



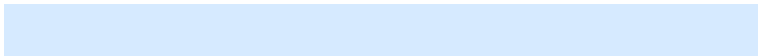
83.2813, 0.3331, 0.2934

Square

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



83.2813, 0.2628, 0.3367



83.2813, 0.2677, 0.2718



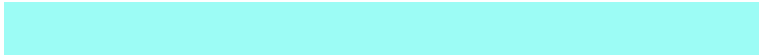
83.2813, 0.3645, 0.3187



83.2813, 0.3575, 0.3899

Rectangle

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



83.2813, 0.2628, 0.3367



83.2813, 0.2480, 0.2873



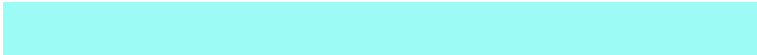
83.2813, 0.3645, 0.3187



83.2813, 0.3818, 0.3658

Sweetspot

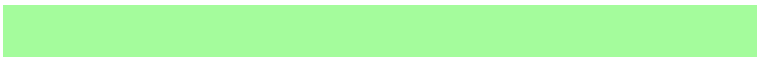
The Sweet Spot groups the original color and five complimentary colors.



83.2846, 0.2628, 0.3367



94.9323, 0.2969, 0.3310



79.9141, 0.3119, 0.4441



20.1969, 0.2950, 0.3312



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

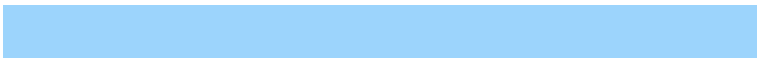
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2846, 0.2628, 0.3367



83.5814, 0.2548, 0.3386



61.1782, 0.2526, 0.2819



19.5856, 0.2990, 0.3307



39.3615, 0.2309, 0.3514



3.6519, 0.2301, 0.3484

Inverse Universe

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



47.1083, 0.4006, 0.3218



41.4330, 0.4292, 0.3205



62.5710, 0.3910, 0.3713



17.2456, 0.3283, 0.3273



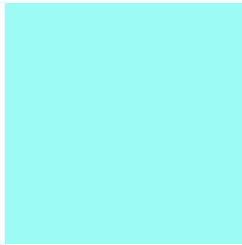
10.8114, 0.6325, 0.3258



1.0082, 0.6151, 0.3162

Previews

White Background



This preview shows how the Yxy color 83.2813, 0.2628, 0.3367 looks on a white background.

Color Contrast Check

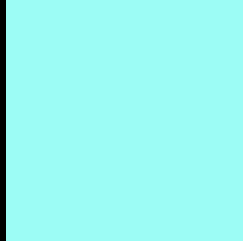
Large Text (above 18pt) WCAG AA × Fail

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 83.2813, 0.2628, 0.3367 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

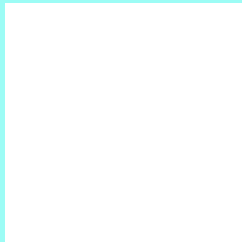
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2813, 0.2628, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 83.2813, 0.2628, 0.3367.

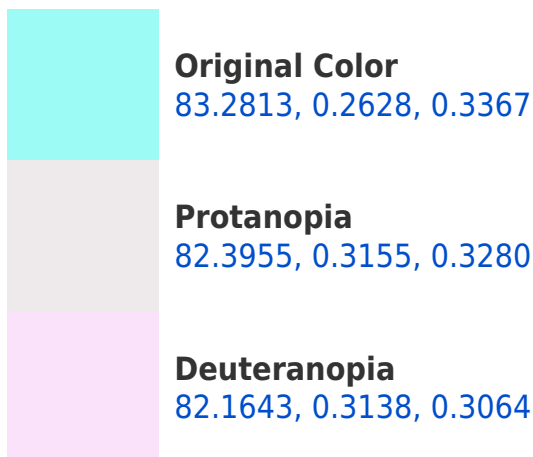


This preview shows how white text looks on a background with the Yxy color 83.2813, 0.2628, 0.3367.

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

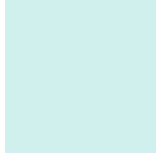
83.0569, 0.2773, 0.3161

Trichromacy



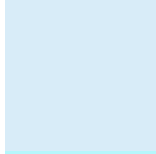
Original Color

83.2813, 0.2628, 0.3367



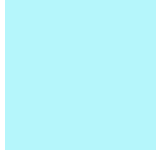
Protanomaly

81.9031, 0.2935, 0.3311



Deuteranomaly

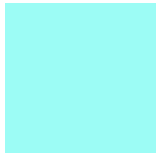
81.3671, 0.2926, 0.3164



Tritanomaly

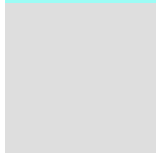
82.7003, 0.2715, 0.3234

Monochromacy



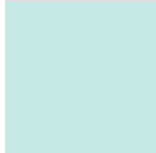
Original Color

83.2813, 0.2628, 0.3367



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.9968, 0.2917, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2813, 0.2628, 0.3367 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(156, 252, 245)` looks like.

```
.text, #text, p{  
    color:rgb(156, 252, 245)  
}
```

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(156, 252, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 252, 245) }
```

Border

The CSS property to change the border of an element to Yxy 83.2813, 0.2628, 0.3367 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(156, 252, 245) }
```

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

```
.border{ border-color:rgb(156, 252, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 252, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 252, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 252, 245);  
box-shadow:4px 4px 4px 4px rgb(156, 252,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2813, 0.2628, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 252, 245) }
```

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

```
.background{ background-color: rgb(156,  
252, 245) }
```

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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