

Converting Colors

$Yxy(83.5427, 0.2675, 0.3289)$

Have a look what the booklet for
Yxy(83.5427, 0.2675, 0.3289)
contains.

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Color

Yxy(83.2488, 0.2677, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	ABF9F9
RGB	171, 249, 249
RGB Percent	67%, 98%, 98%
CMY	0.3296, 0.0235, 0.0236
CMYK	0.31, 0.00, 0.00, 0.02
HSL	180°, 87%, 82%
HSV	180°, 31%, 98%
XYZ	67.7583, 83.2488, 102.1057
YIQ	225.6780, -46.4880, -16.5360

Conversions

Conversions Part 2

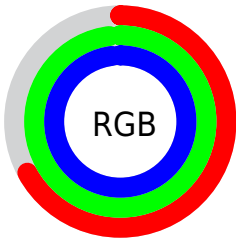
Format	Color
R _Y B	171, 210, 249
Decimal	11270649
CIE Lab	93.12, -23.70, -7.62
CIE LCh	93, 24.892, 197.820
Yxy	83.2488, 0.2677, 0.3289
Android (android.graphics.Color)	4289460729 (0xFFABF9F9)
YUV	225.6780, 11.4977, -47.9526
Hunter-Lab	91.2408, -27.1116, -2.4817

Details

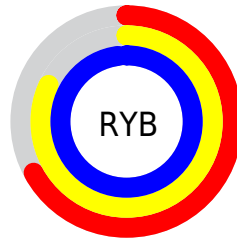
The Yxy color **83.2488, 0.2677, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.1892, 0.3846, 0.3292**, and the grayscale version is **75.7431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **45.1944, 0.2575, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **80.7146, 0.2560, 0.3289**, and if you desaturate by 10%, it is **86.3163, 0.2809, 0.3289**.

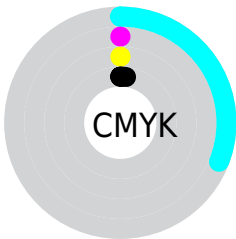
Distribution



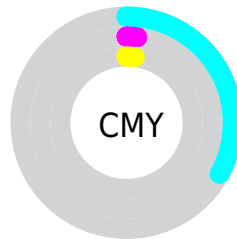
- Red (67%)
- Green (98%)
- Blue (98%)



- Red (67%)
- Yellow (82%)
- Blue (98%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)





- Cyan (33%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2488, 0.2677, 0.3289 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 83.2488, 0.2677, 0.3289 by changing the saturation by 10% instead.


 83.2488, 0.2677,
0.3289

 83.2488, 0.2677,
0.3289


505.8153, 0.2878,
0.3293

 62.3954, 0.2633,
0.3287


 137.9239, 0.2745,
0.3291

 45.3523, 0.2579,
0.3285


172.5144, 0.2772,
0.3292

 31.7350, 0.2513,
0.3281


212.4527, 0.2795,
0.3292

 21.1592, 0.2428,
0.3276

258.1232, 0.2816,
0.3292

 13.2404, 0.2317,
0.3267

309.9103, 0.2834,
0.3293

 7.5943, 0.2165,
0.3251


368.1985, 0.2850,


 3.8365, 0.1944,


0.3293


433.3720, 0.2865,
0.3293


0.3221


 1.5825, 0.1599,
0.3154


 0.3458, 0.0000,
0.2755


 83.2488, 0.2677,
0.3289


 83.2488, 0.2677,
0.3289


 80.7146, 0.2560,
0.3289


 86.3163, 0.2809,
0.3289


 78.6741, 0.2461,
0.3289


 89.9345, 0.2953,
0.3290

 77.0980, 0.2381,
0.3289


 94.1322, 0.3106,
0.3290


 75.9499, 0.2321,
0.3288


 95.8623, 0.3165,
0.3290


 75.1878, 0.2279,
0.3289


 95.8630, 0.3165,
0.3290


 74.7614, 0.2256,
0.3289

 95.8636, 0.3165,
0.3290

 74.5955, 0.2247,
0.3289

 95.8642, 0.3165,
0.3290

 95.8649, 0.3165,
0.3290

 95.8655, 0.3165,
0.3290

Harmonies

Analogous

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



83.2488, 0.2884, 0.3558



83.2488, 0.2677, 0.3289



83.2488, 0.2588, 0.3036

Triad

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



83.2488, 0.2677, 0.3289



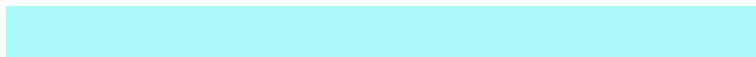
83.2488, 0.3072, 0.2880



83.2488, 0.3638, 0.3702

Complementary

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



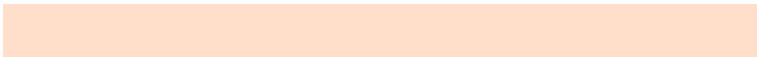
83.2488, 0.2677, 0.3289



52.1892, 0.3846, 0.3292

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.



83.2488, 0.3698, 0.3503



83.2488, 0.2677, 0.3289



83.2488, 0.3363, 0.3041

Square

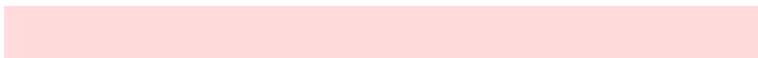
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2488, 0.2677, 0.3289



83.2488, 0.2808, 0.2816



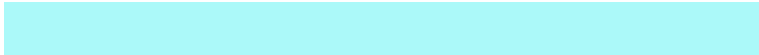
83.2488, 0.3596, 0.3264



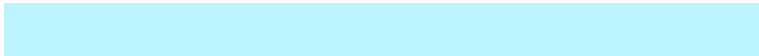
83.2488, 0.3438, 0.3799

Rectangle

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



83.2488, 0.2677, 0.3289



83.2488, 0.2605, 0.2911



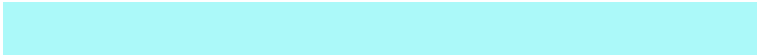
83.2488, 0.3596, 0.3264



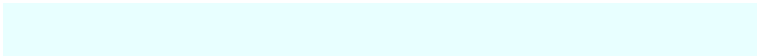
83.2488, 0.3675, 0.3644

Sweetspot

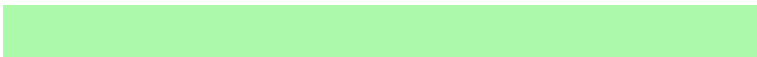
The Sweet Spot groups the original color and five complimentary colors.



83.2521, 0.2677, 0.3289



95.9036, 0.2988, 0.3290



79.4987, 0.3091, 0.4216



20.3958, 0.2966, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

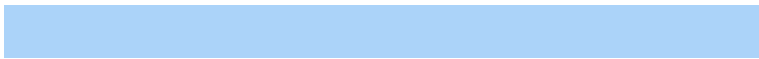
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2521, 0.2677, 0.3289



86.0167, 0.2597, 0.3289



62.2227, 0.2625, 0.2853



19.6085, 0.2980, 0.3290



39.9240, 0.2247, 0.3289



3.6977, 0.2247, 0.3288

Inverse Universe

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



52.1892, 0.3846, 0.3292



48.2213, 0.4074, 0.3292



68.5260, 0.3722, 0.3689



17.2253, 0.3294, 0.3290



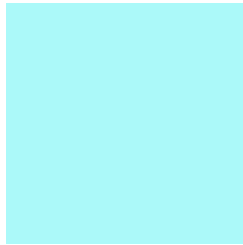
10.7807, 0.6400, 0.3299



0.9985, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 83.2488, 0.2677, 0.3289 looks on a white background.

Color Contrast Check

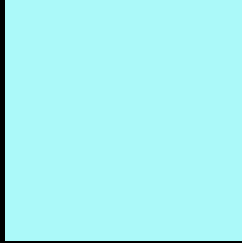
Large Text (above 18pt) WCAG AA × Fail

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 83.2488, 0.2677, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

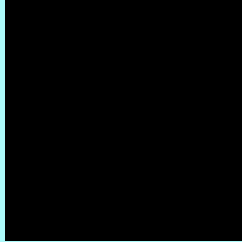
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2488, 0.2677, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 83.2488, 0.2677, 0.3289.

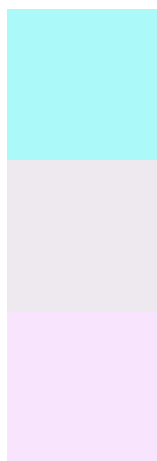


This preview shows how white text looks on a background with the Yxy color 83.2488, 0.2677, 0.3289.

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

83.2488, 0.2677, 0.3289

Protanopia

82.5143, 0.3117, 0.3229

Deuteranopia

82.5351, 0.3105, 0.3044



Tritanopia

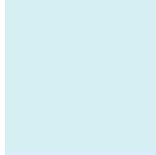
82.8664, 0.2790, 0.3151

Trichromacy



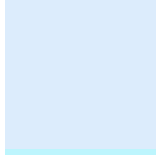
Original Color

83.2488, 0.2677, 0.3289



Protanomaly

82.3502, 0.2937, 0.3247



Deuteranomaly

82.2348, 0.2928, 0.3124



Tritanomaly

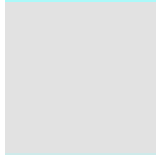
83.2155, 0.2747, 0.3203

Monochromacy



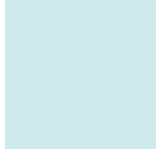
Original Color

83.2488, 0.2677, 0.3289



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.9080, 0.2944, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2488, 0.2677, 0.3289 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(171, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(171, 249, 249)  
}
```

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(171, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 249, 249) }
```

Border

The CSS property to change the border of an element to Yxy 83.2488, 0.2677, 0.3289 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(171, 249, 249) }
```

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

```
.border{ border-color:rgb(171, 249, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(171, 249,  
249) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 83.2488, 0.2677, 0.3289$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 249, 249) }
```

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

```
.background{ background-color: rgb(171,  
249, 249) }
```

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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