

# Converting Colors

$Yxy(84.5269, 0.2700, 0.3389)$

Have a look what the booklet for  
Yxy(84.5269, 0.2700, 0.3389)  
contains.

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# Color

**Yxy(84.5269, 0.2700, 0.3389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9FCF3
RGB	169, 252, 243
RGB Percent	66%, 99%, 95%
CMY	0.3374, 0.0117, 0.0471
CMYK	0.33, 0.00, 0.04, 0.01
HSL	173°, 93%, 83%
HSV	173°, 33%, 99%
XYZ	67.3422, 84.5269, 97.5464
YIQ	226.1570, -46.5790, -20.3950

# Conversions

## Conversions Part 2

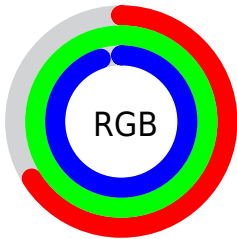
Format	Color
<b>RYB</b>	169, 213, 252
Decimal	11140339
CIELab	93.68, -27.01, -3.70
CIELCh	94, 27.261, 187.804
Yxy	84.5269, 0.2700, 0.3389
Android (android.graphics.Color)	4289330419 (0xFFA9FCF3)
YUV	226.1570, 8.3036, -50.1267
Hunter-Lab	91.9385, -30.1466, 1.4505

# Details

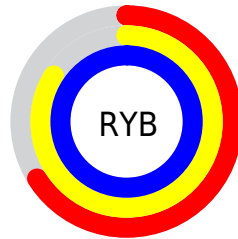
The Yxy color **84.5269, 0.2700, 0.3389** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.2751, 0.3813, 0.3196**, and the grayscale version is **76.1328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **46.1288, 0.2605, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **81.8429, 0.2595, 0.3424**, and if you desaturate by 10%, it is **87.7573, 0.2819, 0.3356**.

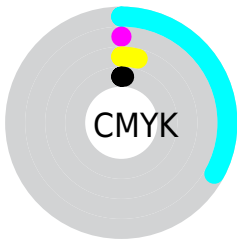
# Distribution



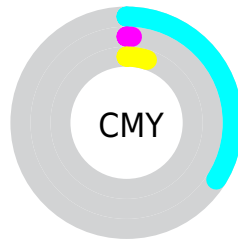
- Red (66%)
- Green (99%)
- Blue (95%)



- Red (66%)
- Yellow (84%)
- Blue (99%)



- Cyan (33%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)




- Cyan (34%)
- Magenta (1%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5269, 0.2700, 0.3389 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 84.5269, 0.2700, 0.3389 by changing the saturation by 10% instead.





 84.5269, 0.2700,  
0.3389

 84.5269, 0.2700,  
0.3389


510.0613, 0.2891,  
0.3347

 63.4505, 0.2658,  
0.3398


 139.7120, 0.2765,  
0.3375

 46.2058, 0.2607,  
0.3409


174.5895, 0.2790,  
0.3369

 32.4082, 0.2544,  
0.3422


214.8362, 0.2813,  
0.3364

 21.6735, 0.2463,  
0.3438

260.8365, 0.2832,  
0.3360

 13.6172, 0.2356,  
0.3458

312.9748, 0.2849,  
0.3356

 7.8549, 0.2210,  
0.3484

371.6354, 0.2865,

 4.0022, 0.1996,

0.3353

0.3518

437.2028, 0.2878,  
0.3349

1.6748, 0.1658,  
0.3561

0.4073, 0.0000,  
0.3671

84.5269, 0.2700,  
0.3389

84.5269, 0.2700,  
0.3389

81.8429, 0.2595,  
0.3424

87.7573, 0.2819,  
0.3356

79.6640, 0.2507,  
0.3460

91.5523, 0.2948,  
0.3326

77.9596, 0.2437,  
0.3498

95.9420, 0.3085,  
0.3298

76.6913, 0.2387,  
0.3536

98.0411, 0.3135,  
0.3272

■ 75.8148, 0.2357,  
0.3574

■ 98.1089, 0.3128,  
0.3262

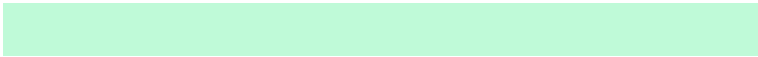
■ 75.2762, 0.2344,  
0.3611

■ 75.0442, 0.2344,  
0.3638

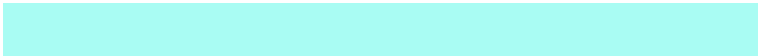
# Harmonies

## Analogous

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



84.5269, 0.2957, 0.3667



84.5269, 0.2700, 0.3389



84.5269, 0.2558, 0.3096

# Triad

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



84.5269, 0.2700, 0.3389



84.5269, 0.2963, 0.2809



84.5269, 0.3725, 0.3673

# Complementary

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



84.5269, 0.2700, 0.3389



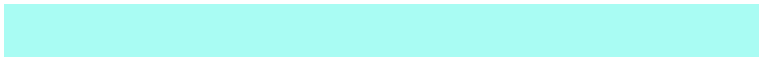
52.2751, 0.3813, 0.3196

# 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.



84.5269, 0.3732, 0.3435



84.5269, 0.2700, 0.3389



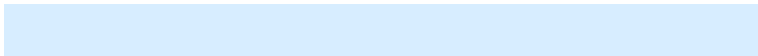
84.5269, 0.3280, 0.2952

# Square

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



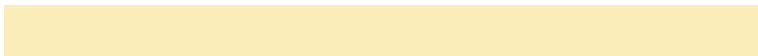
84.5269, 0.2700, 0.3389



84.5269, 0.2704, 0.2779



84.5269, 0.3566, 0.3176

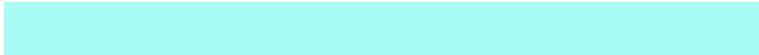


84.5269, 0.3551, 0.3825



# Rectangle

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



84.5269, 0.2700, 0.3389



84.5269, 0.2543, 0.2938



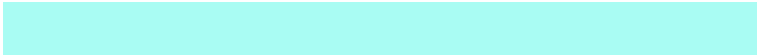
84.5269, 0.3566, 0.3176



84.5269, 0.3747, 0.3600

# Sweetspot

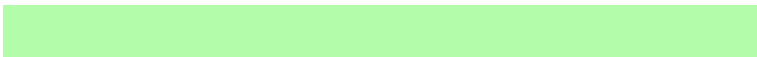
The Sweet Spot groups the original color and five complimentary colors.



84.5303, 0.2700, 0.3389



95.3031, 0.2988, 0.3317



82.0348, 0.3139, 0.4257



20.2682, 0.2969, 0.3321



0.0000, 0.0000, 0.0000

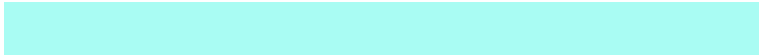


21.4041, 0.3127, 0.3290

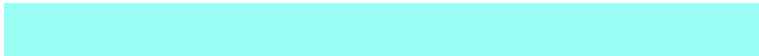


# Same Dimension

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



84.5303, 0.2700, 0.3389



84.8186, 0.2624, 0.3413



66.7403, 0.2611, 0.2925



19.5742, 0.2995, 0.3316



39.1003, 0.2342, 0.3631



3.6304, 0.2330, 0.3586



# Inverse Universe

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



52.2751, 0.3813, 0.3196



46.7260, 0.4033, 0.3176



65.2415, 0.3788, 0.3626



17.2559, 0.3277, 0.3265



10.8328, 0.6273, 0.3229

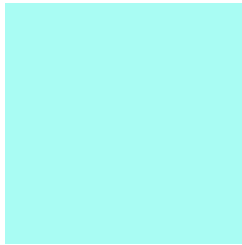


1.0130, 0.6036, 0.3099



# Previews

## White Background



This preview shows how the Yxy color 84.5269, 0.2700, 0.3389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

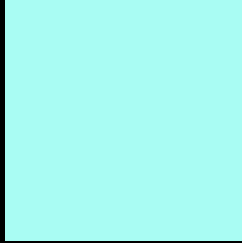
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.5269, 0.2700, 0.3389 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

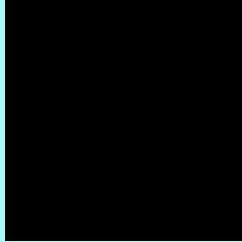
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.5269, 0.2700, 0.3389**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.5269, 0.2700, 0.3389.

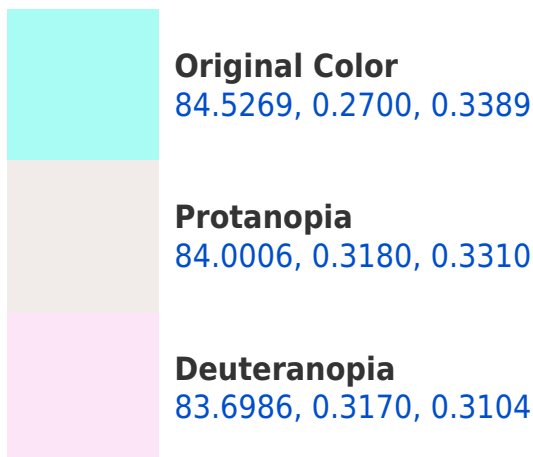


This preview shows how white text looks on a background with the Yxy color 84.5269, 0.2700, 0.3389.

# 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

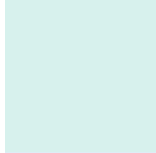
84.1586, 0.2819, 0.3163

# Trichromacy



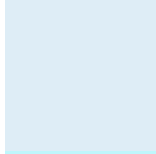
## Original Color

84.5269, 0.2700, 0.3389



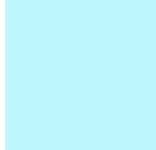
## Protanomaly

83.4721, 0.2984, 0.3332



## Deuteranomaly

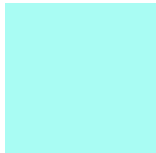
82.7518, 0.2976, 0.3196



## Tritanomaly

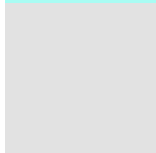
83.9529, 0.2769, 0.3235

# Monochromacy



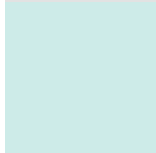
## Original Color

84.5269, 0.2700, 0.3389



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.2220, 0.2950, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.5269, 0.2700, 0.3389 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(169, 252, 243)` looks like.

```
.text, #text, p{  
    color:rgb(169, 252, 243)  
}
```

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(169, 252, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 252, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 84.5269, 0.2700, 0.3389 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(169, 252, 243) }
```

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

```
.border{ border-color:rgb(169, 252, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 252, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 252, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 252, 243); box-shadow:4px 4px 4px 4px rgb(169, 252, 243) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.5269, 0.2700, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 252, 243) }
```

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

```
.background{ background-color: rgb(169,  
252, 243) }
```

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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