

Converting Colors

$Yxy(84.7683, 0.2628, 0.3289)$

Have a look what the booklet for
Yxy(84.7683, 0.2628, 0.3289)
contains.

Yxy(84.4356, 0.2628, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.4356, 0.2628, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	A3FCFC
RGB	163, 252, 252
RGB Percent	64%, 99%, 99%
CMY	0.3612, 0.0117, 0.0118
CMYK	0.35, 0.00, 0.00, 0.01
HSL	180°, 94%, 81%
HSV	180°, 35%, 99%
XYZ	67.4663, 84.4356, 104.8193
YIQ	225.3890, -53.0440, -18.8680

Conversions

Conversions Part 2

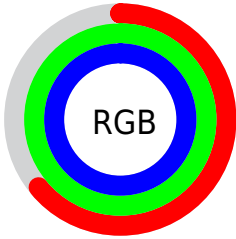
Format	Color
R_{YB}	163, 208, 252
Decimal	10747132
CIE _{Lab}	93.64, -26.56, -8.45
CIE _{LCh}	94, 27.876, 197.639
Yxy	84.4356, 0.2628, 0.3289
Android (android.graphics.Color)	4288937212 (0xFFA3FCFC)
YUV	225.3890, 13.1192, -54.7152
Hunter-Lab	91.8888, -29.7478, -3.3110

Details

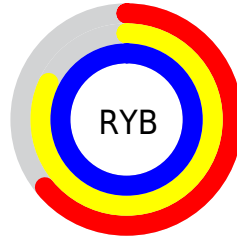
The Yxy color **84.4356, 0.2628, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.5001, 0.3980, 0.3292**, and the grayscale version is **75.5072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **46.0345, 0.2522, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **82.0397, 0.2518, 0.3289**, and if you desaturate by 10%, it is **87.3681, 0.2754, 0.3289**.

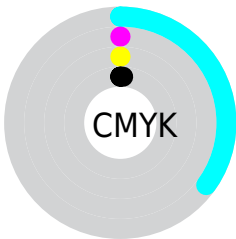
Distribution



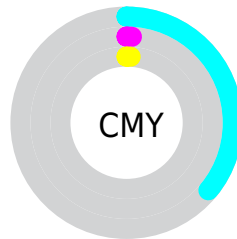
- Red (64%)
- Green (99%)
- Blue (99%)



- Red (64%)
- Yellow (82%)
- Blue (99%)



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



- Cyan (36%)
- Magenta (1%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4356, 0.2628, 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 84.4356, 0.2628, 0.3289 by changing the saturation by 10% instead.

 84.4356, 0.2628,
0.3289


 84.4356, 0.2628,
0.3289


509.7586, 0.2849,
0.3294

 63.3751, 0.2580,
0.3287


 139.5844, 0.2703,
0.3291

 46.1448, 0.2521,
0.3284

 174.4414, 0.2733,
0.3292

 32.3601, 0.2448,
0.3280


214.6662, 0.2759,
0.3293

 21.6367, 0.2356,
0.3273

260.6430, 0.2781,
0.3293

 13.5902, 0.2236,
0.3263

312.7562, 0.2801,
0.3293

 7.8362, 0.2072,
0.3244

371.3903, 0.2819,

 3.9903, 0.1837,

0.3293

0.3208

436.9297, 0.2835,
0.3294

■ 1.6681, 0.1476,
0.3130

■ 0.4029, 0.0000,
0.2810

■ 84.4356, 0.2628,
0.3289

■ 84.4356, 0.2628,
0.3289

■ 82.0397, 0.2518,
0.3289

■ 87.3681, 0.2754,
0.3289

■ 80.1388, 0.2426,
0.3289

■ 90.8562, 0.2893,
0.3290

■ 78.7011, 0.2354,
0.3289

■ 94.9303, 0.3043,
0.3290

■ 77.6870, 0.2302,
0.3289

■ 97.9265, 0.3146,
0.3290

77.0505, 0.2268,
0.3289

97.9273, 0.3146,
0.3290

76.7344, 0.2251,
0.3289

97.9281, 0.3146,
0.3290

76.6581, 0.2247,
0.3289

97.9289, 0.3146,
0.3290

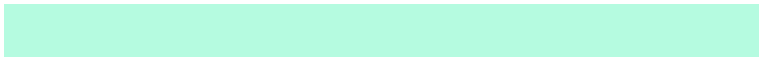
97.9297, 0.3145,
0.3290

97.9305, 0.3145,
0.3289

Harmonies

Analogous

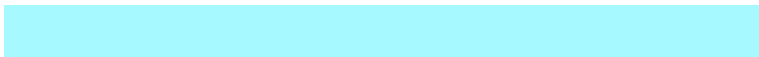
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4356, 0.2857, 0.3591



84.4356, 0.2628, 0.3289



84.4356, 0.2530, 0.3006

Triad

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



84.4356, 0.2628, 0.3289



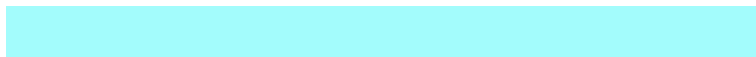
84.4356, 0.3063, 0.2835



84.4356, 0.3697, 0.3746

Complementary

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



84.4356, 0.2628, 0.3289



49.5001, 0.3980, 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.



84.4356, 0.3764, 0.3523



84.4356, 0.2628, 0.3289



84.4356, 0.3387, 0.3012

Square

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



84.4356, 0.2628, 0.3289



84.4356, 0.2771, 0.2764



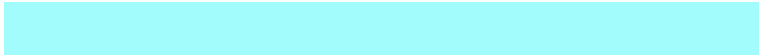
84.4356, 0.3649, 0.3258



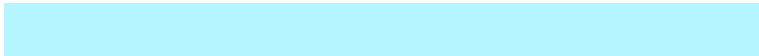
84.4356, 0.3474, 0.3858

Rectangle

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



84.4356, 0.2628, 0.3289



84.4356, 0.2547, 0.2869



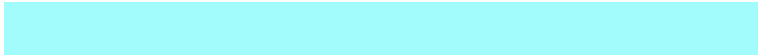
84.4356, 0.3649, 0.3258



84.4356, 0.3739, 0.3680

Sweetspot

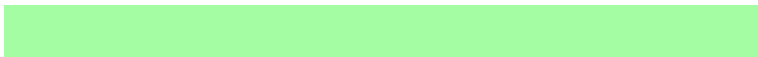
The Sweet Spot groups the original color and five complimentary colors.



84.4389, 0.2628, 0.3289



95.0619, 0.2958, 0.3290



80.2102, 0.3086, 0.4357



20.2280, 0.2938, 0.3290



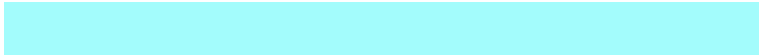
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.4389, 0.2628, 0.3289



85.0231, 0.2553, 0.3289



60.3800, 0.2559, 0.2787



19.6085, 0.2981, 0.3290



39.9233, 0.2247, 0.3289



3.6976, 0.2247, 0.3289

Inverse Universe

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



49.5001, 0.3980, 0.3292



44.5451, 0.4225, 0.3293



67.4714, 0.3817, 0.3742



17.2254, 0.3294, 0.3290



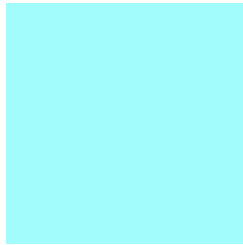
10.7807, 0.6400, 0.3299



0.9985, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 84.4356, 0.2628, 0.3289 looks on a white background.

Color Contrast Check

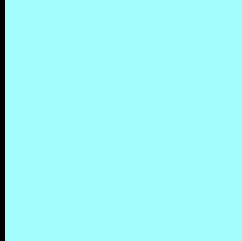
Large Text (above 18pt) WCAG AA × Fail

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 84.4356, 0.2628, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

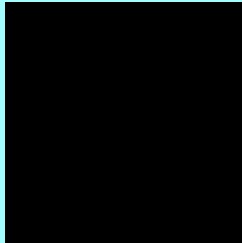
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.4356, 0.2628, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 84.4356, 0.2628, 0.3289.

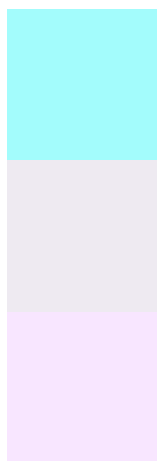


This preview shows how white text looks on a background with the Yxy color 84.4356, 0.2628, 0.3289.

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

84.4356, 0.2628, 0.3289

Protanopia

83.3737, 0.3110, 0.3219

Deuteranopia

83.7701, 0.3092, 0.3045



Tritanopia

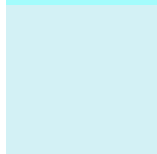
83.7387, 0.2802, 0.3162

Trichromacy



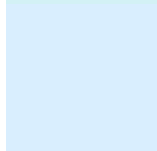
Original Color

84.4356, 0.2628, 0.3289



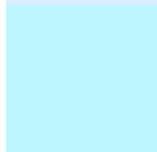
Protanomaly

83.3520, 0.2914, 0.3247



Deuteranomaly

83.0565, 0.2899, 0.3124



Tritanomaly

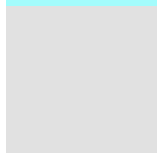
83.6321, 0.2732, 0.3203

Monochromacy



Original Color

84.4356, 0.2628, 0.3289



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.9714, 0.2913, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4356, 0.2628, 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(163, 252, 252)` looks like.

```
.text, #text, p{  
    color:rgb(163, 252, 252)  
}
```

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, 252, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 252, 252) }
```

Border

The CSS property to change the border of an element to Yxy 84.4356, 0.2628, 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(163, 252, 252) }
```

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

```
.border{ border-color:rgb(163, 252, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 252, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 252, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 252, 252);  
box-shadow:4px 4px 4px 4px rgb(163, 252,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4356, 0.2628, 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(163, 252, 252) }
```

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

```
.background{ background-color: rgb(163,  
252, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor