

Converting Colors

$Yxy(89.2822, 0.2363, 0.2690)$

Have a look what the booklet for
Yxy(89.2822, 0.2363, 0.2690)
contains.

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Color

Yxy(84.9441, 0.2602, 0.3266)

Conversions

Conversions Part 1

Format	Color
Hex	A0FDFF
RGB	160, 253, 255
RGB Percent	63%, 99%, 100%
CMY	0.3726, 0.0078, 0.0000
CMYK	0.37, 0.01, 0.00, 0.00
HSL	181°, 100%, 81%
HSV	181°, 37%, 100%
XYZ	67.6744, 84.9441, 107.4676
YIQ	225.4210, -56.0700, -19.0940

Conversions

Conversions Part 2

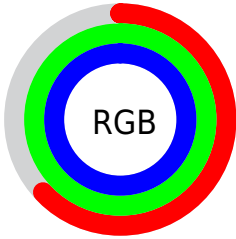
Format	Color
RYB	160, 207, 255
Decimal	10550783
CIELab	93.86, -27.05, -9.72
CIELCh	94, 28.746, 199.758
Yxy	84.9441, 0.2602, 0.3266
Android (android.graphics.Color)	4288740863 (0xFFA0FDFF)
YUV	225.4210, 14.5824, -57.3742
Hunter-Lab	92.1651, -30.2212, -4.6185

Details

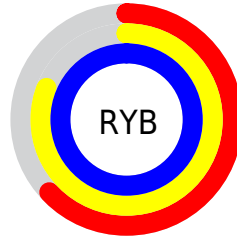
The Yxy color **84.9441, 0.2602, 0.3266** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.6318, 0.4039, 0.3314**, and the grayscale version is **75.5347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **46.4406, 0.2493, 0.3259** is the 20% darker color. If you saturate the color by 10%, you get **82.2434, 0.2493, 0.3259**, and if you desaturate by 10%, it is **88.1864, 0.2727, 0.3273**.

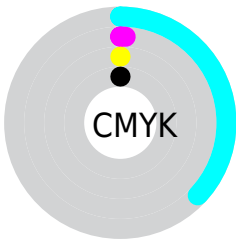
Distribution



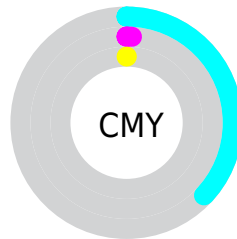
- Red (63%)
- Green (99%)
- Blue (100%)



- Red (63%)
- Yellow (81%)
- Blue (100%)



- Cyan (37%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9441, 0.2602, 0.3266 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 84.9441, 0.2602, 0.3266 by changing the saturation by 10% instead.


 84.9441, 0.2602,
0.3266


 84.9441, 0.2602,
0.3266


511.4431, 0.2834,
0.3282

 63.7952, 0.2551,
0.3262


 140.2951, 0.2681,
0.3272

 46.4848, 0.2490,
0.3256

 175.2659, 0.2712,
0.3274

 32.6286, 0.2414,
0.3247


215.6129, 0.2739,
0.3276

 21.8421, 0.2319,
0.3235

261.7203, 0.2763,
0.3278

 13.7409, 0.2194,
0.3218

313.9727, 0.2784,
0.3279

 7.9407, 0.2024,
0.3189

372.7543, 0.2802,

 4.0570, 0.1783,

0.3280

0.3137

438.4497, 0.2819,
0.3281

■ 1.7055, 0.1419,
0.3033

■ 0.4272, 0.0000,
0.2698

■ 84.9441, 0.2602,
0.3266

■ 84.9441, 0.2602,
0.3266

■ 82.2434, 0.2493,
0.3259

■ 88.1864, 0.2727,
0.3273

■ 80.0485, 0.2403,
0.3252

■ 91.9981, 0.2865,
0.3280

■ 78.3235, 0.2332,
0.3245

■ 96.4081, 0.3014,
0.3286

■ 77.0264, 0.2280,
0.3238

100.0000, 0.3127,
0.3290

■ 76.1082, 0.2248,
0.3231

■ 75.5053, 0.2231,
0.3224

■ 75.3692, 0.2228,
0.3222

Harmonies

Analogous

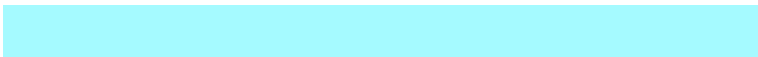
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9441, 0.2829, 0.3580



84.9441, 0.2602, 0.3266



84.9441, 0.2512, 0.2980

Triad

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



84.9441, 0.2602, 0.3266



84.9441, 0.3084, 0.2833



84.9441, 0.3702, 0.3771

Complementary

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



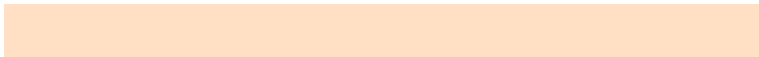
84.9441, 0.2602, 0.3266



49.6318, 0.4039, 0.3314

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.



84.9441, 0.3784, 0.3547



84.9441, 0.2602, 0.3266



84.9441, 0.3417, 0.3021

Square

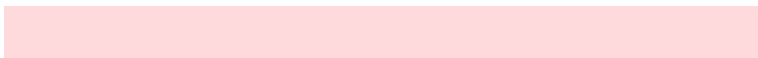
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



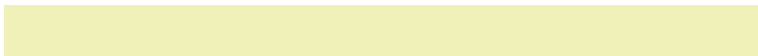
84.9441, 0.2602, 0.3266



84.9441, 0.2779, 0.2751



84.9441, 0.3678, 0.3276



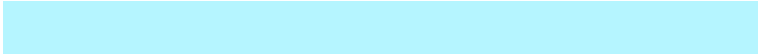
84.9441, 0.3463, 0.3878

Rectangle

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



84.9441, 0.2602, 0.3266



84.9441, 0.2537, 0.2845



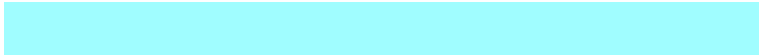
84.9441, 0.3678, 0.3276



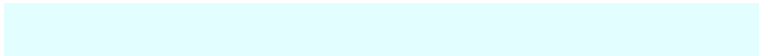
84.9441, 0.3749, 0.3706

Sweetspot

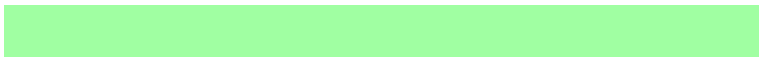
The Sweet Spot groups the original color and five complimentary colors.



84.9450, 0.2602, 0.3266



94.6873, 0.2958, 0.3284



81.5854, 0.3066, 0.4409



20.1380, 0.2937, 0.3283



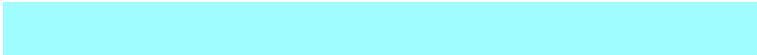
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.9450, 0.2602, 0.3266



82.8086, 0.2517, 0.3261



58.7910, 0.2522, 0.2716



20.4121, 0.2980, 0.3285



39.4117, 0.2229, 0.3223



3.8574, 0.2231, 0.3231

Inverse Universe

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



53.4887, 0.3186, 0.2382



47.1550, 0.3199, 0.2208



69.4359, 0.3852, 0.3799



18.2934, 0.3141, 0.3061



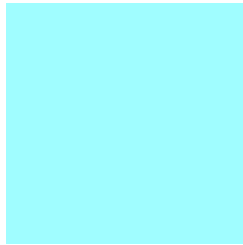
14.7066, 0.3262, 0.1571



1.4340, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 84.9441, 0.2602, 0.3266 looks on a white background.

Color Contrast Check

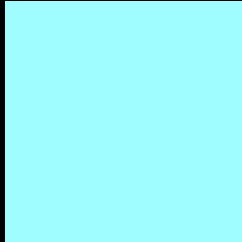
Large Text (above 18pt) WCAG AA × Fail

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 84.9441, 0.2602, 0.3266 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

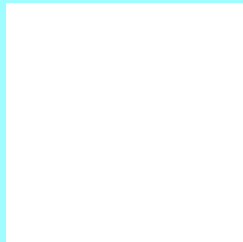
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9441, 0.2602, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 84.9441, 0.2602, 0.3266.

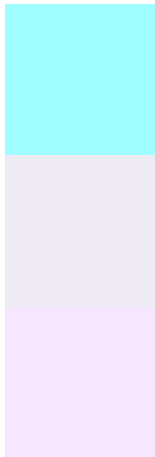


This preview shows how white text looks on a background with the Yxy color 84.9441, 0.2602, 0.3266.

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

84.9441, 0.2602, 0.3266

Protanopia

84.1255, 0.3092, 0.3199

Deuteranopia

83.9647, 0.3078, 0.3054



Tritanopia

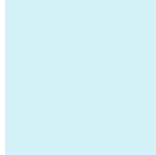
84.4779, 0.2808, 0.3173

Trichromacy



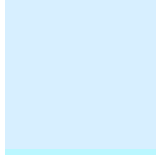
Original Color

84.9441, 0.2602, 0.3266



Protanomaly

83.9832, 0.2892, 0.3226



Deuteranomaly

83.4001, 0.2882, 0.3124



Tritanomaly

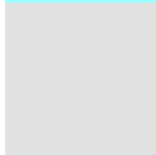
84.3063, 0.2728, 0.3203

Monochromacy



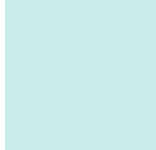
Original Color

84.9441, 0.2602, 0.3266



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.8903, 0.2902, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9441, 0.2602, 0.3266 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(160, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 253, 255)  
}
```

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(160, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.9441, 0.2602, 0.3266 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(160, 253, 255) }
```

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

```
.border{ border-color:rgb(160, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9441, 0.2602, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 253, 255) }
```

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

```
.background{ background-color: rgb(160,  
253, 255) }
```

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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