

# Converting Colors

$Yxy(85.9882, 0.2602, 0.3298)$

Have a look what the booklet for  
Yxy(85.9882, 0.2602, 0.3298)  
contains.

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# Color

**Yxy(85.9449, 0.2601, 0.3299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFFFE
RGB	158, 255, 254
RGB Percent	62%, 100%, 100%
CMY	0.3802, 0.0000, 0.0038
CMYK	0.38, 0.00, 0.00, 0.00
HSL	179°, 100%, 81%
HSV	179°, 38%, 100%
XYZ	67.7607, 85.9449, 106.8124
YIQ	225.8830, -57.4910, -20.8750

# Conversions

## Conversions Part 2

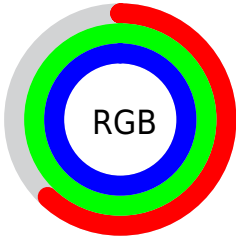
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 207, 255
Decimal	10420222
CIE <sub>Lab</sub>	94.29, -28.72, -8.57
CIE <sub>LCh</sub>	94, 29.968, 196.619
Yxy	85.9449, 0.2601, 0.3299
Android (android.graphics.Color)	4288610302 (0xFF9EFFFE)
YUV	225.8830, 13.8617, -59.5334
Hunter-Lab	92.7065, -31.7676, -3.4168

# Details

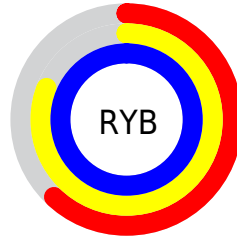
The Yxy color **85.9449, 0.2601, 0.3299** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.2324, 0.4065, 0.3283**, and the grayscale version is **75.9042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **47.1287, 0.2490, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **83.6081, 0.2496, 0.3302**, and if you desaturate by 10%, it is **88.8250, 0.2722, 0.3296**.

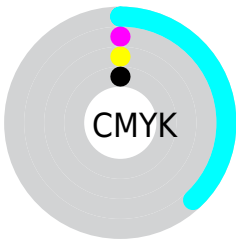
# Distribution



- Red (62%)
- Green (100%)
- Blue (100%)



- Red (62%)
- Yellow (81%)
- Blue (100%)



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




- Cyan (38%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9449, 0.2601, 0.3299 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 85.9449, 0.2601, 0.3299 by changing the saturation by 10% instead.





 85.9449, 0.2601,  
0.3299


 85.9449, 0.2601,  
0.3299


514.7495, 0.2834,  
0.3300

 64.6224, 0.2550,  
0.3298

 141.6926, 0.2680,  
0.3300

 47.1550, 0.2489,  
0.3296


 176.8866, 0.2711,  
0.3300

 33.1582, 0.2414,  
0.3293


217.4732, 0.2738,  
0.3300

 22.2477, 0.2318,  
0.3288

263.8369, 0.2762,  
0.3300

 14.0390, 0.2193,  
0.3279

316.3619, 0.2783,  
0.3300

 8.1478, 0.2024,  
0.3262


375.4328, 0.2801,


 4.1897, 0.1785,

0.3300


0.3230


441.4338, 0.2818,  
0.3300


 1.7802, 0.1423,  
0.3156

 0.4748, 0.0000,  
0.2969


 85.9449, 0.2601,  
0.3299

 85.9449, 0.2601,  
0.3299


 83.6081, 0.2496,  
0.3302


 88.8250, 0.2722,  
0.3296

 81.7709, 0.2410,  
0.3305

 92.2688, 0.2857,  
0.3294

 80.3997, 0.2344,  
0.3308

 96.3079, 0.3004,  
0.3292

 79.4521, 0.2297,  
0.3311

99.9963, 0.3127,  
0.3290

■ 78.8782, 0.2269,  
0.3314

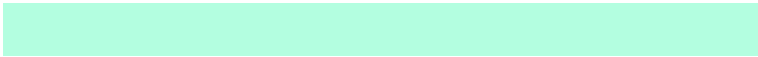
■ 78.6104, 0.2257,  
0.3317

■ 78.5746, 0.2255,  
0.3318

# Harmonies

## Analogous

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



85.9449, 0.2848, 0.3623



85.9449, 0.2601, 0.3299



85.9449, 0.2492, 0.2994

# Triad

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



85.9449, 0.2601, 0.3299



85.9449, 0.3046, 0.2802



85.9449, 0.3741, 0.3769

# Complementary

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



85.9449, 0.2601, 0.3299



48.2324, 0.4065, 0.3283

# 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.



85.9449, 0.3807, 0.3527



85.9449, 0.2601, 0.3299



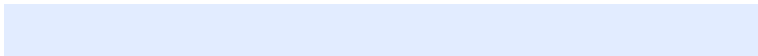
85.9449, 0.3393, 0.2986

# Square

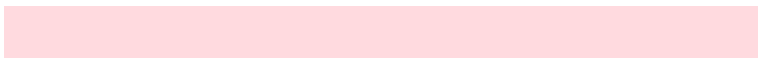
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9449, 0.2601, 0.3299



85.9449, 0.2738, 0.2730



85.9449, 0.3678, 0.3245



85.9449, 0.3507, 0.3897

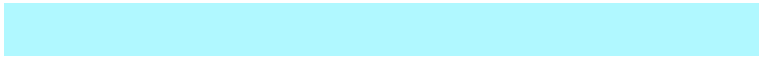


# Rectangle

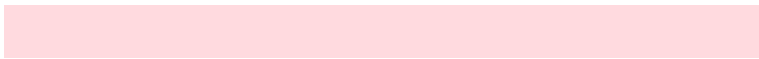
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9449, 0.2601, 0.3299



85.9449, 0.2507, 0.2846



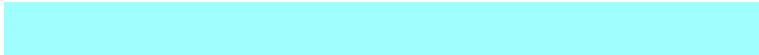
85.9449, 0.3678, 0.3245



85.9449, 0.3784, 0.3697

# Sweetspot

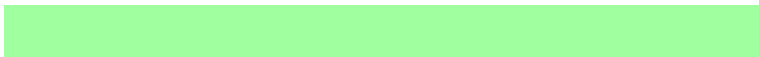
The Sweet Spot groups the original color and five complimentary colors.



85.9483, 0.2601, 0.3299



95.0449, 0.2959, 0.3292



81.4255, 0.3082, 0.4452



20.2240, 0.2939, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

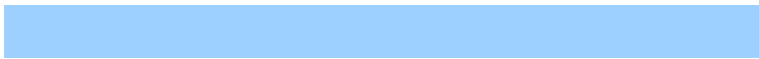
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9483, 0.2601, 0.3299



84.0433, 0.2516, 0.3301



59.6721, 0.2515, 0.2742



20.4782, 0.2981, 0.3292



41.0605, 0.2255, 0.3317



3.9989, 0.2254, 0.3314



# Inverse Universe

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



48.2324, 0.4065, 0.3283



41.2110, 0.4375, 0.3282



67.3465, 0.3883, 0.3777



17.9900, 0.3293, 0.3288



11.1130, 0.6391, 0.3294

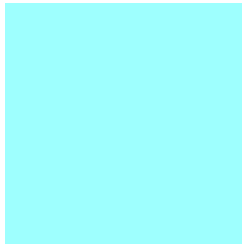


1.0830, 0.6367, 0.3281



# Previews

## White Background



This preview shows how the Yxy color 85.9449, 0.2601, 0.3299 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

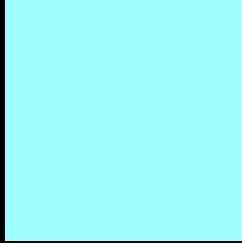
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9449, 0.2601, 0.3299 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

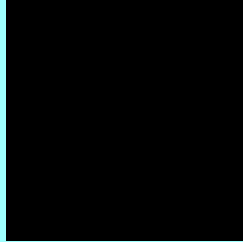
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.9449, 0.2601, 0.3299**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9449, 0.2601, 0.3299.

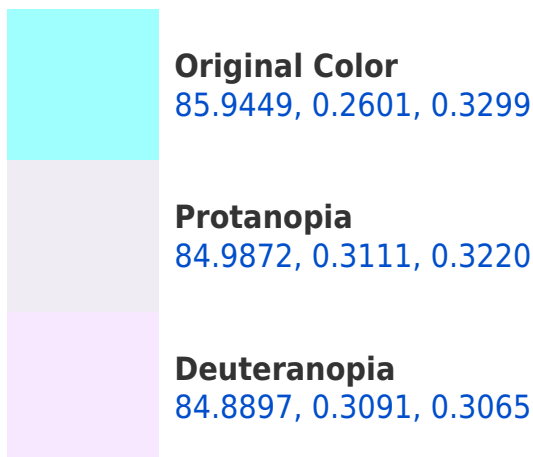


This preview shows how white text looks on a background with the Yxy color 85.9449, 0.2601, 0.3299.

# 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

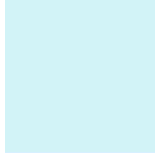
85.6466, 0.2832, 0.3185

# Trichromacy



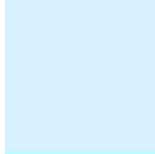
## Original Color

85.9449, 0.2601, 0.3299



## Protanomaly

84.5182, 0.2898, 0.3247



## Deuteranomaly

83.9872, 0.2882, 0.3134



## Tritanomaly

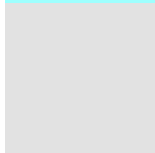
85.7902, 0.2741, 0.3225

# Monochromacy



## Original Color

85.9449, 0.2601, 0.3299



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.0420, 0.2902, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9449, 0.2601, 0.3299 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(158, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 254)  
}
```

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(158, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9449, 0.2601, 0.3299 is called "border". The border property can be set on classes, ids or directly on the HTML element.

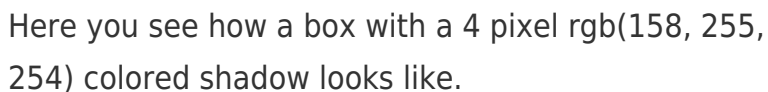
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 255, 254) }
```

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

```
.border{ border-color:rgb(158, 255, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 255, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 255, 254); box-shadow:4px 4px 4px 4px rgb(158, 255, 254) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9449, 0.2601, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 254) }
```

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

```
.background{ background-color: rgb(158,  
255, 254) }
```

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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