

# Converting Colors

$Y_{xy}(100.0000, 0.2636, 0.3559)$

Have a look what the booklet for  
Yxy(100.0000, 0.2636, 0.3559)  
contains.

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# Color

**Yxy(85.4536, 0.2601, 0.3333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFFFB
RGB	155, 255, 251
RGB Percent	61%, 100%, 98%
CMY	0.3923, 0.0000, 0.0157
CMYK	0.39, 0.00, 0.02, 0.00
HSL	178°, 100%, 80%
HSV	178°, 39%, 100%
XYZ	66.6861, 85.4536, 104.2467
YIQ	224.6440, -58.3160, -22.4440

# Conversions

## Conversions Part 2

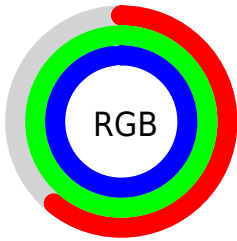
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 206, 255
Decimal	10223611
CIELab	94.08, -30.18, -7.33
CIElCh	94, 31.060, 193.650
Yxy	85.4536, 0.2601, 0.3333
Android (android.graphics.Color)	4288413691 (0xFF9BFFFB)
YUV	224.6440, 12.9935, -61.0778
Hunter-Lab	92.4411, -33.0038, -2.1531

# Details

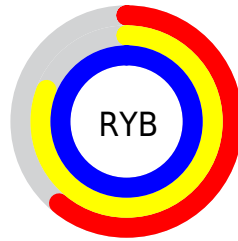
The Yxy color **85.4536, 0.2601, 0.3333** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.1967, 0.4078, 0.3251**, and the grayscale version is **74.9566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **46.8697, 0.2486, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **83.1255, 0.2501, 0.3346**, and if you desaturate by 10%, it is **88.3101, 0.2718, 0.3321**.

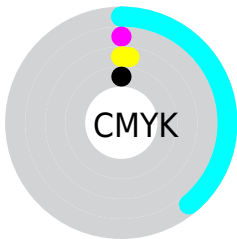
# Distribution



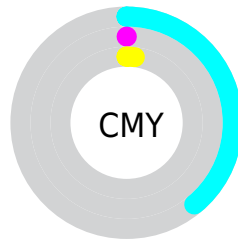
- Red (61%)
- Green (100%)
- Blue (98%)



- Red (61%)
- Yellow (81%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4536, 0.2601, 0.3333 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 85.4536, 0.2601, 0.3333 by changing the saturation by 10% instead.





 85.4536, 0.2601,  
0.3333


 85.4536, 0.2601,  
0.3333


513.1278, 0.2834,  
0.3318

 64.2162, 0.2550,  
0.3335


 141.0068, 0.2680,  
0.3329

 46.8258, 0.2489,  
0.3338


 176.0913, 0.2711,  
0.3327

 32.8980, 0.2413,  
0.3340


216.5604, 0.2738,  
0.3325

 22.0483, 0.2316,  
0.3342

262.7985, 0.2762,  
0.3323

 13.8924, 0.2190,  
0.3342

315.1899, 0.2783,  
0.3322

 8.0459, 0.2020,  
0.3339

374.1189, 0.2802,

 4.1243, 0.1776,

0.3320

439.9701, 0.2819,  
0.3319

0.3325

1.7433, 0.1402,  
0.3283

0.4515, 0.0000,  
0.3101

85.4536, 0.2601,  
0.3333

85.4536, 0.2601,  
0.3333

83.1255, 0.2501,  
0.3346

88.3101, 0.2718,  
0.3321

81.2989, 0.2419,  
0.3359

91.7327, 0.2848,  
0.3309

79.9337, 0.2357,  
0.3372

95.7477, 0.2990,  
0.3299

78.9870, 0.2315,  
0.3385

100.0000, 0.3127,  
0.3290

■ 78.4076, 0.2290,  
0.3398

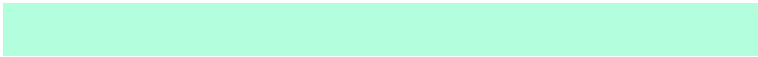
■ 78.1184, 0.2282,  
0.3411

■ 78.1009, 0.2281,  
0.3412

# Harmonies

## Analogous

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



85.4536, 0.2868, 0.3666



85.4536, 0.2601, 0.3333



85.4536, 0.2473, 0.3010

# Triad

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



85.4536, 0.2601, 0.3333



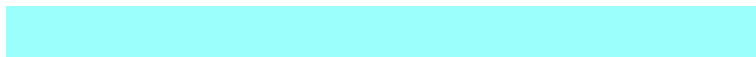
85.4536, 0.3007, 0.2771



85.4536, 0.3780, 0.3765

# Complementary

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



85.4536, 0.2601, 0.3333



47.1967, 0.4078, 0.3251

# 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.



85.4536, 0.3829, 0.3506



85.4536, 0.2601, 0.3333



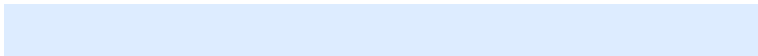
85.4536, 0.3369, 0.2952

# Square

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



85.4536, 0.2601, 0.3333



85.4536, 0.2697, 0.2710



85.4536, 0.3676, 0.3214

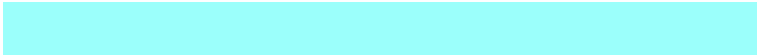


85.4536, 0.3551, 0.3914



# Rectangle

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



85.4536, 0.2601, 0.3333



85.4536, 0.2478, 0.2848



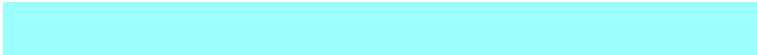
85.4536, 0.3676, 0.3214



85.4536, 0.3819, 0.3687

# Sweetspot

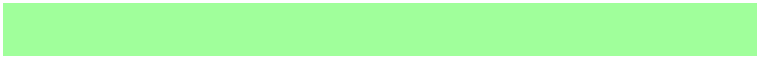
The Sweet Spot groups the original color and five complimentary colors.



85.4513, 0.2601, 0.3333



94.5728, 0.2949, 0.3302



81.3569, 0.3099, 0.4488



20.1276, 0.2931, 0.3303



0.0000, 0.0000, 0.0000

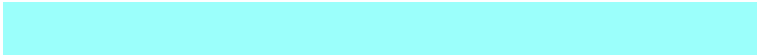


21.4041, 0.3127, 0.3290



# Same Dimension

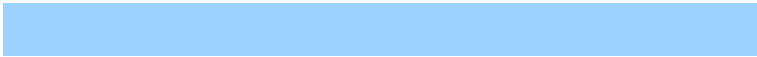
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4513, 0.2601, 0.3333



83.5987, 0.2522, 0.3343



60.2738, 0.2502, 0.2762



20.4682, 0.2985, 0.3299



40.8149, 0.2281, 0.3410



3.9778, 0.2277, 0.3395



# Inverse Universe

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



47.1967, 0.4078, 0.3251



40.5215, 0.4376, 0.3244



64.9280, 0.3926, 0.3760



17.9988, 0.3288, 0.3281



11.1256, 0.6360, 0.3278

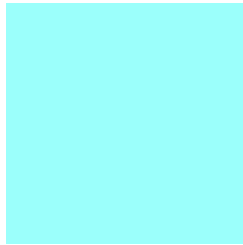


1.0872, 0.6265, 0.3225



# Previews

## White Background



This preview shows how the Yxy color 85.4536, 0.2601, 0.3333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

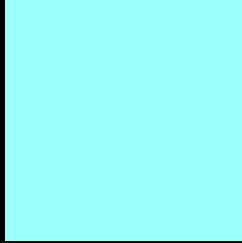
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4536, 0.2601, 0.3333 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 85.4536, 0.2601, 0.3333**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4536, 0.2601, 0.3333.

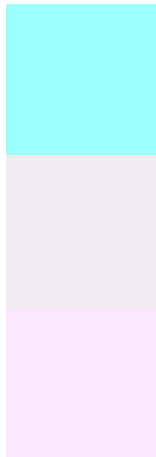


This preview shows how white text looks on a background with the Yxy color 85.4536, 0.2601, 0.3333.

# 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

85.4536, 0.2601, 0.3333

### Protanopia

84.7482, 0.3135, 0.3260

### Deuteranopia

84.6958, 0.3105, 0.3056



## Tritanopia

84.6179, 0.2814, 0.3174

# Trichromacy



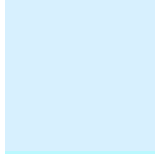
## Original Color

85.4536, 0.2601, 0.3333



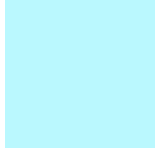
## Protanomaly

84.1276, 0.2914, 0.3289



## Deuteranomaly

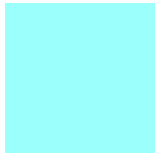
83.9230, 0.2888, 0.3144



## Tritanomaly

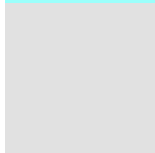
84.7297, 0.2729, 0.3224

# Monochromacy



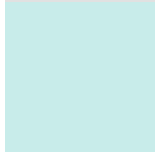
## Original Color

85.4536, 0.2601, 0.3333



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

78.2108, 0.2907, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4536, 0.2601, 0.3333 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(155, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 251)  
}
```

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(155, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4536, 0.2601, 0.3333 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(155, 255, 251) }
```

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

```
.border{ border-color:rgb(155, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4536, 0.2601, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 251) }
```

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

```
.background{ background-color: rgb(155,  
255, 251) }
```

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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