

# Converting Colors

$Yxy(85.2857, 0.2720, 0.3224)$

Have a look what the booklet for  
Yxy(85.2857, 0.2720, 0.3224)  
contains.

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# Color

**Yxy(85.2857, 0.2720, 0.3224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9F9FF
RGB	185, 249, 255
RGB Percent	73%, 98%, 100%
CMY	0.2741, 0.0236, 0.0000
CMYK	0.27, 0.02, 0.00, 0.00
HSL	185°, 100%, 86%
HSV	185°, 27%, 100%
XYZ	71.9532, 85.2857, 107.2949
YIQ	230.5480, -40.0700, -11.7020

# Conversions

## Conversions Part 2

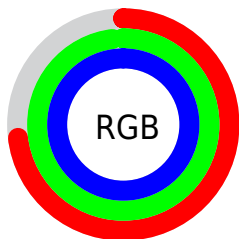
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 218, 255
Decimal	12188159
CIE <sub>Lab</sub>	94.01, -18.47, -9.36
CIE <sub>LCh</sub>	94, 20.705, 206.868
Yxy	85.2857, 0.2720, 0.3224
Android (android.graphics.Color)	4290378239 (0xFFB9F9FF)
YUV	230.5480, 12.0548, -39.9456
Hunter-Lab	92.3503, -22.5376, -4.2395

# Details

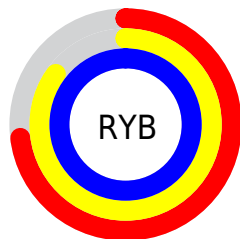
The Yxy color **85.2857, 0.2720, 0.3224** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.0792, 0.3710, 0.3355**, and the grayscale version is **79.5038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **46.5223, 0.2635, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **81.0445, 0.2590, 0.3197**, and if you desaturate by 10%, it is **90.1155, 0.2862, 0.3250**.

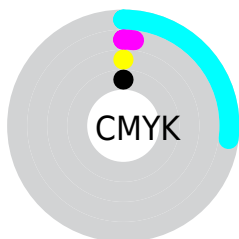
# Distribution



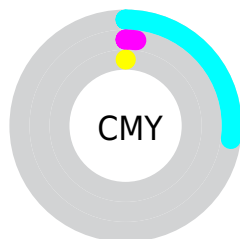
- Red (73%)
- Green (98%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2857, 0.2720, 0.3224 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 85.2857, 0.2720, 0.3224 by changing the saturation by 10% instead.




 85.2857, 0.2720,  
0.3224

 85.2857, 0.2720,  
0.3224


512.5730, 0.2901,  
0.3257

 64.0775, 0.2680,  
0.3216


 140.7723, 0.2781,  
0.3236

 46.7134, 0.2633,  
0.3206


175.8194, 0.2805,  
0.3240

 32.8092, 0.2573,  
0.3193


216.2483, 0.2827,  
0.3244

 21.9803, 0.2498,  
0.3176

262.4433, 0.2845,  
0.3247

 13.8424, 0.2399,  
0.3152

314.7889, 0.2861,  
0.3250

 8.0111, 0.2263,  
0.3116

373.6695, 0.2876,

 4.1021, 0.2068,

0.3253

0.3057

439.4694, 0.2889,  
0.3255

1.7308, 0.1765,  
0.2948

0.4435, 0.0000,  
0.2787

85.2857, 0.2720,  
0.3224

85.2857, 0.2720,  
0.3224

81.0445, 0.2590,  
0.3197

90.1155, 0.2862,  
0.3250

77.3556, 0.2475,  
0.3169

95.5562, 0.3012,  
0.3274

74.1876, 0.2377,  
0.3139

100.0000, 0.3127,  
0.3290

71.5036, 0.2298,  
0.3109

■ 69.2617, 0.2238,  
0.3079

■ 67.4124, 0.2198,  
0.3049

■ 65.8914, 0.2175,  
0.3020

■ 65.5266, 0.2170,  
0.3013

# Harmonies

## Analogous

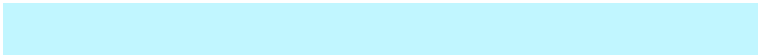
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2857, 0.2866, 0.3447



85.2857, 0.2720, 0.3224



85.2857, 0.2679, 0.3031

# Triad

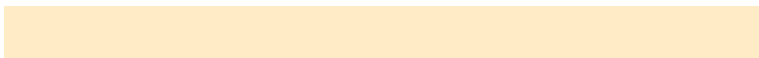
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2857, 0.2720, 0.3224



85.2857, 0.3156, 0.2981



85.2857, 0.3510, 0.3666

# Complementary

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



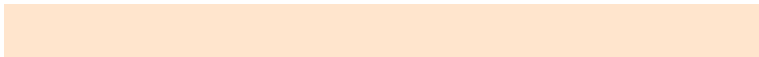
85.2857, 0.2720, 0.3224



62.0792, 0.3710, 0.3355

# 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.



85.2857, 0.3596, 0.3525



85.2857, 0.2720, 0.3224



85.2857, 0.3388, 0.3136

# Square

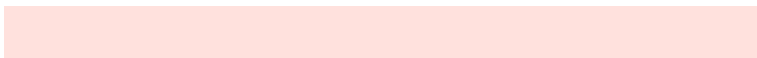
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2857, 0.2720, 0.3224



85.2857, 0.2924, 0.2901



85.2857, 0.3551, 0.3332



85.2857, 0.3321, 0.3709

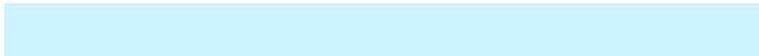


# Rectangle

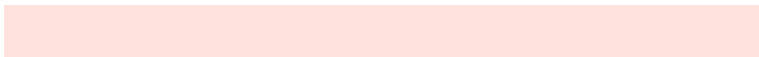
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2857, 0.2720, 0.3224



85.2857, 0.2716, 0.2944



85.2857, 0.3551, 0.3332



85.2857, 0.3552, 0.3628

# Sweetspot

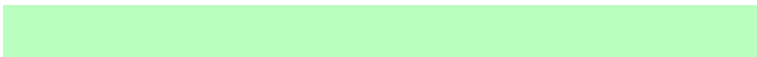
The Sweet Spot groups the original color and five complimentary colors.



85.2877, 0.2720, 0.3224



95.2189, 0.3003, 0.3272



85.6049, 0.3059, 0.4017



20.1982, 0.2980, 0.3269



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.



85.2877, 0.2720, 0.3224



82.8464, 0.2646, 0.3209



65.7535, 0.2681, 0.2835



20.1982, 0.2980, 0.3269



34.3501, 0.2172, 0.3018



3.4200, 0.2181, 0.3051



# Inverse Universe

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



62.8380, 0.3204, 0.2659



57.0914, 0.3222, 0.2531



79.0916, 0.3616, 0.3706



18.2718, 0.3151, 0.3076



14.1956, 0.3439, 0.1668

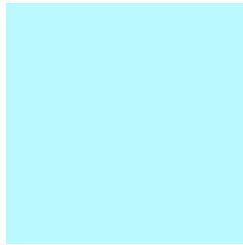


1.3898, 0.3409, 0.1652



# Previews

## White Background



This preview shows how the Yxy color 85.2857, 0.2720, 0.3224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

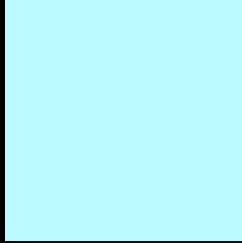
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.2857, 0.2720, 0.3224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

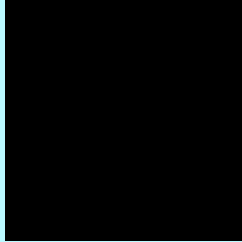
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.2857, 0.2720, 0.3224**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.2857, 0.2720, 0.3224.

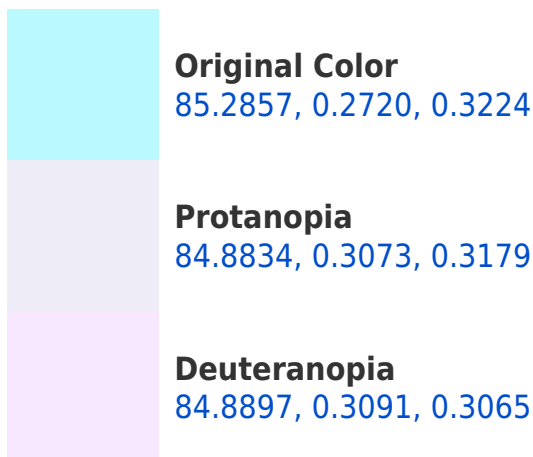


This preview shows how white text looks on a background with the Yxy color 85.2857, 0.2720, 0.3224.

# 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

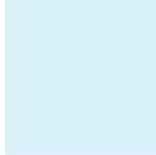
85.0228, 0.2854, 0.3164

# Trichromacy



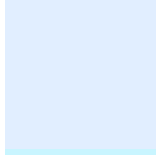
## Original Color

85.2857, 0.2720, 0.3224



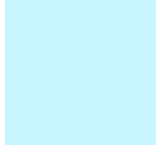
## Protanomaly

84.8728, 0.2935, 0.3197



## Deuteranomaly

84.3766, 0.2943, 0.3116



## Tritanomaly

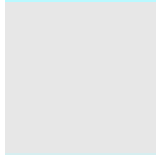
84.9423, 0.2803, 0.3184

# Monochromacy



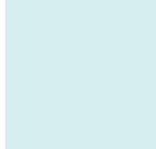
## Original Color

85.2857, 0.2720, 0.3224



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.7365, 0.2960, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.2857, 0.2720, 0.3224 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(185, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 249, 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(185, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 249, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.2857, 0.2720, 0.3224 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(185, 249, 255) }
```

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

```
.border{ border-color:rgb(185, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 249,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.2857, 0.2720, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 249, 255) }
```

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

```
.background{ background-color: rgb(185,  
249, 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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