

# Converting Colors

$Yxy(88.0914, 0.2614, 0.2937)$

Have a look what the booklet for  
Yxy(88.0914, 0.2614, 0.2937)  
contains.

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# Color

**Yxy(86.0477, 0.2751, 0.3225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFF9FF
RGB	191, 249, 255
RGB Percent	75%, 98%, 100%
CMY	0.2513, 0.0235, 0.0000
CMYK	0.25, 0.02, 0.00, 0.00
HSL	186°, 100%, 87%
HSV	186°, 25%, 100%
XYZ	73.4007, 86.0477, 107.3662
YIQ	232.3420, -36.4940, -10.4300

# Conversions

## Conversions Part 2

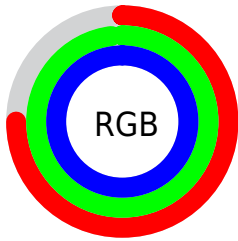
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	191, 221, 255
Decimal	12581375
CIE Lab	94.33, -16.84, -8.84
CIE LCh	94, 19.020, 207.689
Yxy	86.0477, 0.2751, 0.3225
Android (android.graphics.Color)	4290771455 (0xFFBFF9FF)
YUV	232.3420, 11.1704, -36.2569
Hunter-Lab	92.7619, -21.0897, -3.6912

# Details

The Yxy color **86.0477, 0.2751, 0.3225** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9112, 0.3647, 0.3354**, and the grayscale version is **80.8918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **47.0107, 0.2673, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **81.5652, 0.2618, 0.3196**, and if you desaturate by 10%, it is **91.1283, 0.2895, 0.3253**.

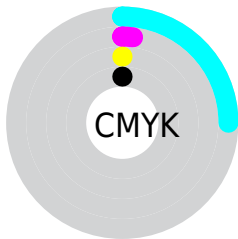
# Distribution



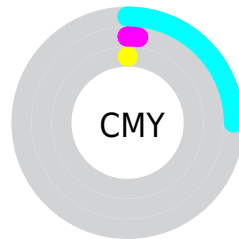
- Red (75%)
- Green (98%)
- Blue (100%)



- Red (75%)
- Yellow (87%)
- Blue (100%)



- Cyan (25%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0477, 0.2751, 0.3225 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 86.0477, 0.2751, 0.3225 by changing the saturation by 10% instead.




 86.0477, 0.2751,  
0.3225

 86.0477, 0.2751,  
0.3225


515.0885, 0.2918,  
0.3257

 64.7074, 0.2715,  
0.3217


 141.8361, 0.2808,  
0.3236

 47.2239, 0.2670,  
0.3208


177.0529, 0.2830,  
0.3241

 33.2127, 0.2615,  
0.3196


217.6641, 0.2849,  
0.3244

 22.2894, 0.2546,  
0.3179

264.0540, 0.2866,  
0.3247

 14.0697, 0.2454,  
0.3156

316.6070, 0.2882,  
0.3250

 8.1692, 0.2329,  
0.3123

375.7074, 0.2895,

 4.2034, 0.2148,

0.3253

0.3068

441.7398, 0.2907,  
0.3255

■ 1.7880, 0.1866,  
0.2969

■ 0.4797, 0.0267,  
0.2863

■ 86.0477, 0.2751,  
0.3225

■ 86.0477, 0.2751,  
0.3225

■ 81.5652, 0.2618,  
0.3196

■ 91.1283, 0.2895,  
0.3253

■ 77.6449, 0.2498,  
0.3165

■ 96.8287, 0.3047,  
0.3278

■ 74.2562, 0.2395,  
0.3134

100.0000, 0.3127,  
0.3290

■ 71.3631, 0.2311,  
0.3101

■ 68.9249, 0.2246,  
0.3068

■ 66.8942, 0.2200,  
0.3036

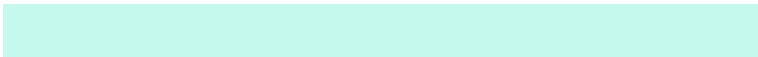
■ 65.2125, 0.2173,  
0.3004

■ 64.4786, 0.2164,  
0.2989

# Harmonies

## Analogous

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



86.0477, 0.2883, 0.3428



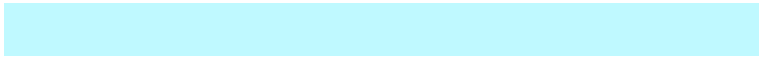
86.0477, 0.2751, 0.3225



86.0477, 0.2716, 0.3049

# Triad

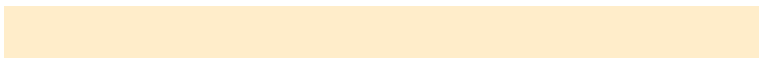
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0477, 0.2751, 0.3225



86.0477, 0.3160, 0.3009



86.0477, 0.3474, 0.3638

# Complementary

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



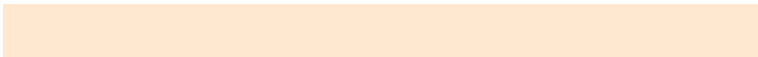
86.0477, 0.2751, 0.3225



64.9112, 0.3647, 0.3354

# 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.



86.0477, 0.3556, 0.3511



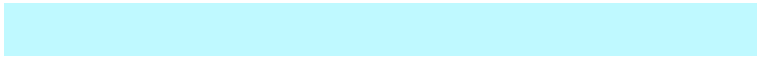
86.0477, 0.2751, 0.3225



86.0477, 0.3371, 0.3153

# Square

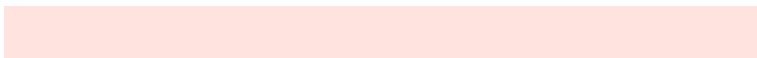
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.0477, 0.2751, 0.3225



86.0477, 0.2947, 0.2934



86.0477, 0.3518, 0.3334



86.0477, 0.3300, 0.3673

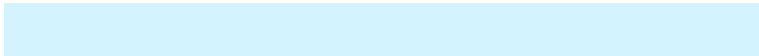


# Rectangle

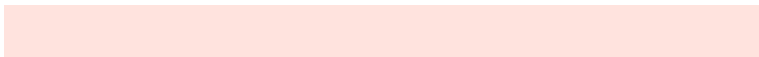
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



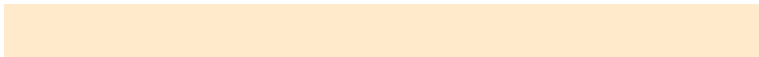
86.0477, 0.2751, 0.3225



86.0477, 0.2752, 0.2970



86.0477, 0.3518, 0.3334



86.0477, 0.3514, 0.3604

# Sweetspot

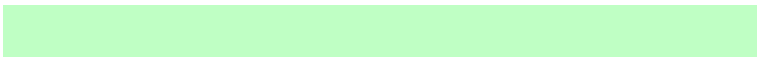
The Sweet Spot groups the original color and five complimentary colors.



86.0497, 0.2751, 0.3225



95.1249, 0.3003, 0.3271



86.5851, 0.3064, 0.3947



20.1743, 0.2980, 0.3267



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.



86.0497, 0.2751, 0.3225



83.7913, 0.2685, 0.3211



68.2363, 0.2720, 0.2878



20.1743, 0.2980, 0.3267



33.8107, 0.2165, 0.2994



3.3731, 0.2175, 0.3030



# Inverse Universe

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



65.3318, 0.3200, 0.2717



60.0686, 0.3217, 0.2605



80.6729, 0.3569, 0.3670



18.2694, 0.3152, 0.3077



14.1412, 0.3460, 0.1679



1.3851, 0.3428, 0.1662



# Previews

## White Background



This preview shows how the Yxy color 86.0477, 0.2751, 0.3225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

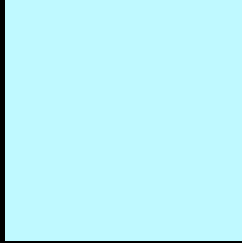
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.0477, 0.2751, 0.3225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

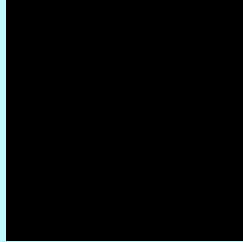
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

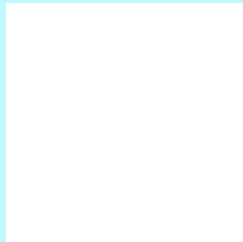
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.0477, 0.2751, 0.3225**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.0477, 0.2751, 0.3225.

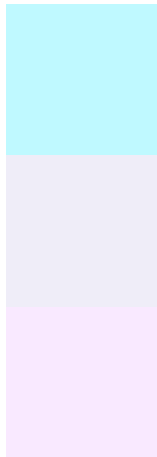


This preview shows how white text looks on a background with the Yxy color 86.0477, 0.2751, 0.3225.

# 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

86.0477, 0.2751, 0.3225

### Protanopia

85.6964, 0.3073, 0.3180

### Deuteranopia

85.6376, 0.3097, 0.3075



## Tritanopia

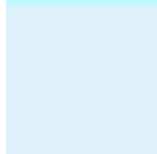
85.6173, 0.2878, 0.3165

# Trichromacy



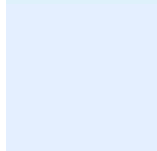
## Original Color

86.0477, 0.2751, 0.3225



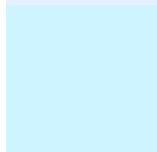
## Protanomaly

85.4052, 0.2948, 0.3187



## Deuteranomaly

85.4470, 0.2962, 0.3128



## Tritanomaly

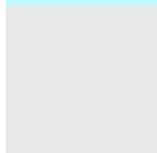
85.6466, 0.2832, 0.3185

# Monochromacy



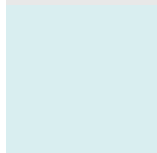
## Original Color

86.0477, 0.2751, 0.3225



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.1921, 0.2979, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.0477, 0.2751, 0.3225 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(191, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 249, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 86.0477, 0.2751, 0.3225 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(191, 249, 255) }
```

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

```
.border{ border-color:rgb(191, 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(191, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 249,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.0477, 0.2751, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 249, 255) }
```

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

```
.background{ background-color: rgb(191,  
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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