

# Converting Colors

$Yxy(87.3404, 0.2579, 0.2892)$

Have a look what the booklet for  
Yxy(87.3404, 0.2579, 0.2892)  
contains.

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# Color

**Yxy(84.9196, 0.2729, 0.3214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF8FF
RGB	187, 248, 255
RGB Percent	73%, 97%, 100%
CMY	0.2668, 0.0274, 0.0000
CMYK	0.27, 0.03, 0.00, 0.00
HSL	186°, 100%, 87%
HSV	186°, 27%, 100%
XYZ	72.1050, 84.9196, 107.1932
YIQ	230.5590, -38.6030, -10.7550

# Conversions

## Conversions Part 2

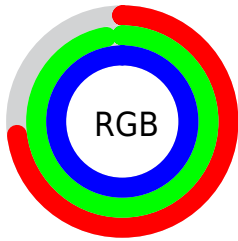
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 219, 255
Decimal	12318975
CIELab	93.85, -17.47, -9.57
CIELCh	94, 19.917, 208.704
Yxy	84.9196, 0.2729, 0.3214
Android (android.graphics.Color)	4290509055 (0xFFBBF8FF)
YUV	230.5590, 12.0494, -38.2012
Hunter-Lab	92.1518, -21.5968, -4.4612

# Details

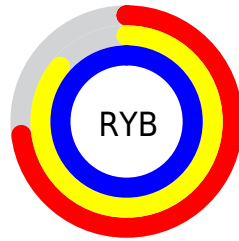
The Yxy color **84.9196, 0.2729, 0.3214** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4115, 0.3687, 0.3364**, and the grayscale version is **79.4950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **46.6820, 0.2647, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **80.3891, 0.2597, 0.3182**, and if you desaturate by 10%, it is **90.0504, 0.2872, 0.3244**.

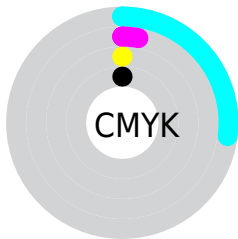
# Distribution



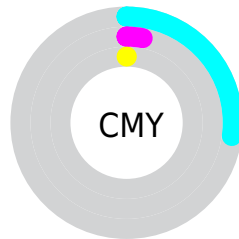
- Red (73%)
- Green (97%)
- Blue (100%)



- Red (73%)
- Yellow (86%)
- Blue (100%)



- Cyan (27%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9196, 0.2729, 0.3214 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 84.9196, 0.2729, 0.3214 by changing the saturation by 10% instead.





 84.9196, 0.2729,  
0.3214

 84.9196, 0.2729,  
0.3214


511.3620, 0.2906,  
0.3251

 63.7750, 0.2690,  
0.3205


 140.2608, 0.2789,  
0.3227

 46.4684, 0.2643,  
0.3194


175.2262, 0.2813,  
0.3232

 32.6156, 0.2585,  
0.3180


215.5673, 0.2833,  
0.3237

 21.8322, 0.2511,  
0.3161

261.6685, 0.2851,  
0.3240

 13.7336, 0.2414,  
0.3134

313.9141, 0.2867,  
0.3243

 7.9356, 0.2281,  
0.3095

372.6887, 0.2882,

 4.0538, 0.2088,

0.3246

0.3031

438.3765, 0.2894,  
0.3249

■ 1.7037, 0.1789,  
0.2916

■ 0.4260, 0.0000,  
0.2716

■ 84.9196, 0.2729,  
0.3214

■ 84.9196, 0.2729,  
0.3214

■ 80.3891, 0.2597,  
0.3182

■ 90.0504, 0.2872,  
0.3244

■ 76.4183, 0.2479,  
0.3148

■ 95.7994, 0.3023,  
0.3273

■ 72.9776, 0.2377,  
0.3112

99.9997, 0.3127,  
0.3290

■ 70.0304, 0.2295,  
0.3076

■ 67.5349, 0.2231,  
0.3040

■ 65.4426, 0.2188,  
0.3004

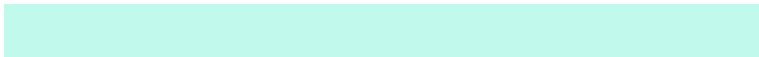
■ 63.6919, 0.2161,  
0.2969

■ 63.1547, 0.2155,  
0.2958

# Harmonies

## Analogous

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



84.9196, 0.2865, 0.3429



84.9196, 0.2729, 0.3214



84.9196, 0.2696, 0.3031

# Triad

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



84.9196, 0.2729, 0.3214



84.9196, 0.3170, 0.2999



84.9196, 0.3487, 0.3658

# Complementary

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



84.9196, 0.2729, 0.3214



63.4115, 0.3687, 0.3364

# 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.



84.9196, 0.3577, 0.3527



84.9196, 0.2729, 0.3214



84.9196, 0.3390, 0.3152

# Square

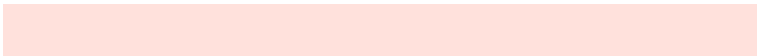
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9196, 0.2729, 0.3214



84.9196, 0.2944, 0.2917



84.9196, 0.3542, 0.3343



84.9196, 0.3301, 0.3692

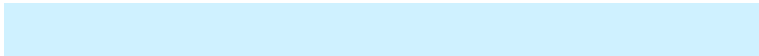


# Rectangle

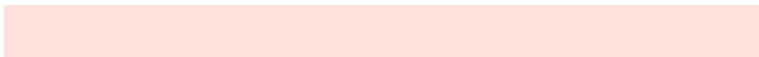
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9196, 0.2729, 0.3214



84.9196, 0.2736, 0.2951



84.9196, 0.3542, 0.3343



84.9196, 0.3530, 0.3624

# Sweetspot

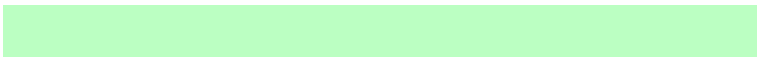
The Sweet Spot groups the original color and five complimentary colors.



84.9230, 0.2729, 0.3214



95.0050, 0.3003, 0.3269



85.9637, 0.3054, 0.3981



20.1439, 0.2980, 0.3265



0.0000, 0.0000, 0.0000

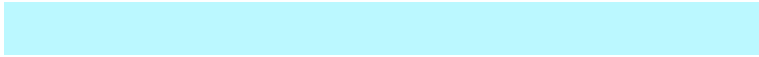


21.4041, 0.3127, 0.3290



# Same Dimension

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



84.9230, 0.2729, 0.3214



82.4401, 0.2657, 0.3197



65.9674, 0.2692, 0.2836



20.1439, 0.2980, 0.3265



33.1304, 0.2157, 0.2963



3.3138, 0.2168, 0.3004



# Inverse Universe

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



63.5673, 0.3210, 0.2687



57.9928, 0.3229, 0.2566



80.2158, 0.3598, 0.3705



18.2663, 0.3154, 0.3079



14.0725, 0.3487, 0.1694

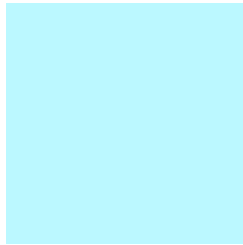


1.3791, 0.3451, 0.1675



# Previews

## White Background



This preview shows how the Yxy color 84.9196, 0.2729, 0.3214 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

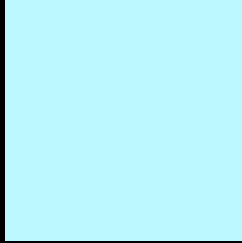
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9196, 0.2729, 0.3214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

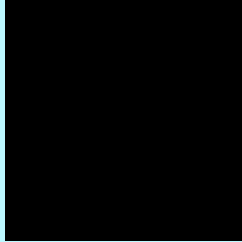
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.9196, 0.2729, 0.3214**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9196, 0.2729, 0.3214.

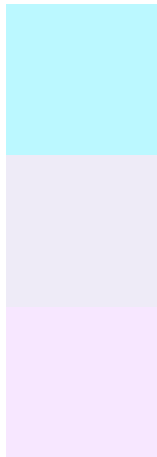


This preview shows how white text looks on a background with the Yxy color 84.9196, 0.2729, 0.3214.

# 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

84.9196, 0.2729, 0.3214

### Protanopia

84.3092, 0.3073, 0.3169

### Deuteranopia

84.1460, 0.3085, 0.3054



## Tritanopia

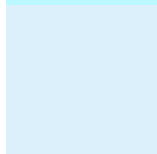
84.8765, 0.2848, 0.3164

# Trichromacy



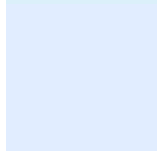
## Original Color

84.9196, 0.2729, 0.3214



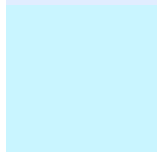
## Protanomaly

84.2824, 0.2935, 0.3186



## Deuteranomaly

83.7959, 0.2943, 0.3106



## Tritanomaly

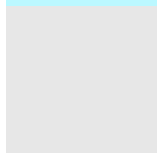
84.9423, 0.2803, 0.3184

# Monochromacy



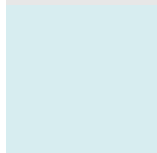
## Original Color

84.9196, 0.2729, 0.3214



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.3067, 0.2967, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9196, 0.2729, 0.3214 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(187, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 248, 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(187, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9196, 0.2729, 0.3214 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(187, 248, 255) }
```

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

```
.border{ border-color:rgb(187, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(187, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9196, 0.2729, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 248, 255) }
```

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

```
.background{ background-color: rgb(187,  
248, 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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