

# Converting Colors

$Yxy(89.6098, 0.2610, 0.2937)$

Have a look what the booklet for  
Yxy(89.6098, 0.2610, 0.2937)  
contains.

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# Color

**Yxy(87.4208, 0.2759, 0.3247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FBFF
RGB	192, 251, 255
RGB Percent	75%, 98%, 100%
CMY	0.2470, 0.0157, 0.0002
CMYK	0.25, 0.02, 0.00, 0.00
HSL	184°, 100%, 88%
HSV	184°, 25%, 100%
XYZ	74.2821, 87.4208, 107.5327
YIQ	233.8150, -36.4480, -11.2640

# Conversions

## Conversions Part 2

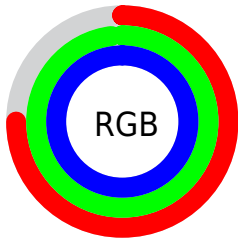
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 222, 255
Decimal	12647423
CIELab	94.92, -17.53, -7.93
CIELCh	95, 19.242, 204.353
Yxy	87.4208, 0.2759, 0.3247
Android (android.graphics.Color)	4290837503 (0xFFC0FBFF)
YUV	233.8150, 10.4442, -36.6718
Hunter-Lab	93.4991, -21.8107, -2.7397

# Details

The Yxy color **87.4208, 0.2759, 0.3247** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5244, 0.3640, 0.3333**, and the grayscale version is **82.0747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **47.9792, 0.2683, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **83.3825, 0.2627, 0.3227**, and if you desaturate by 10%, it is **92.0511, 0.2902, 0.3265**.

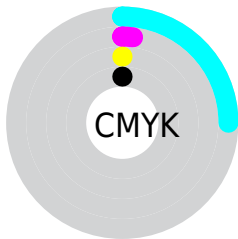
# Distribution



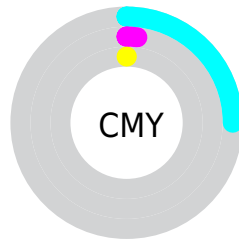
- Red (75%)
- Green (98%)
- Blue (100%)



- 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 87.4208, 0.2759, 0.3247 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 87.4208, 0.2759, 0.3247 by changing the saturation by 10% instead.




 87.4208, 0.2759,  
0.3247

 87.4208, 0.2759,  
0.3247

519.6046, 0.2922,  
0.3269

 65.8435, 0.2723,  
0.3242


 143.7505, 0.2814,  
0.3255

 48.1454, 0.2680,  
0.3235

179.2717, 0.2836,  
0.3258

 33.9420, 0.2627,  
0.3226

220.2097, 0.2855,  
0.3260

 22.8491, 0.2559,  
0.3214

266.9488, 0.2872,  
0.3262

 14.4821, 0.2470,  
0.3198

319.8734, 0.2886,  
0.3264

 8.4567, 0.2349,  
0.3173

379.3680, 0.2900,

 4.3886, 0.2174,

0.3266

0.3131

445.8170, 0.2911,  
0.3267

1.8932, 0.1902,  
0.3055

0.5443, 0.0499,  
0.3036

87.4208, 0.2759,  
0.3247

87.4208, 0.2759,  
0.3247

83.3825, 0.2627,  
0.3227

92.0511, 0.2902,  
0.3265

79.8960, 0.2510,  
0.3207

97.2904, 0.3054,  
0.3283

76.9322, 0.2410,  
0.3186

99.9975, 0.3127,  
0.3290

74.4555, 0.2329,  
0.3164

■ 72.4254, 0.2267,  
0.3143

■ 70.7949, 0.2224,  
0.3121

■ 69.5064, 0.2200,  
0.3100

■ 68.9176, 0.2191,  
0.3089

# Harmonies

## Analogous

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



87.4208, 0.2902, 0.3451



87.4208, 0.2759, 0.3247



87.4208, 0.2712, 0.3064

# Triad

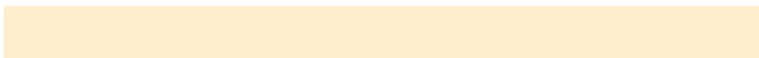
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4208, 0.2759, 0.3247



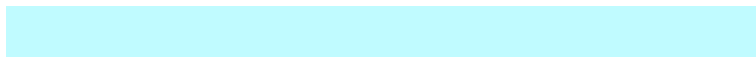
87.4208, 0.3135, 0.2995



87.4208, 0.3491, 0.3629

# Complementary

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



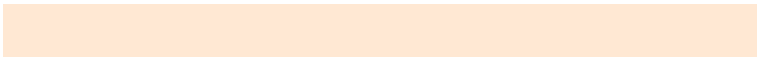
87.4208, 0.2759, 0.3247



64.5244, 0.3640, 0.3333

# 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.



87.4208, 0.3560, 0.3494



87.4208, 0.2759, 0.3247



87.4208, 0.3351, 0.3134

# Square

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



87.4208, 0.2759, 0.3247



87.4208, 0.2924, 0.2928



87.4208, 0.3509, 0.3314



87.4208, 0.3323, 0.3677

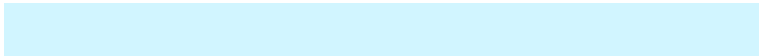


# Rectangle

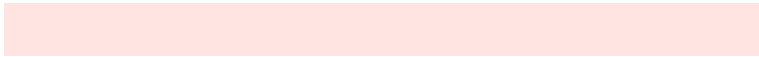
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4208, 0.2759, 0.3247



87.4208, 0.2740, 0.2979



87.4208, 0.3509, 0.3314



87.4208, 0.3527, 0.3592

# Sweetspot

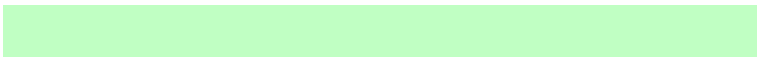
The Sweet Spot groups the original color and five complimentary colors.



87.4243, 0.2759, 0.3247



96.0569, 0.3018, 0.3279



86.6511, 0.3077, 0.3958



20.4905, 0.3009, 0.3278



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.



87.4243, 0.2759, 0.3247



85.2360, 0.2687, 0.3237



69.7907, 0.2729, 0.2910



20.2744, 0.2980, 0.3274



36.1070, 0.2192, 0.3092



3.5724, 0.2199, 0.3116



# Inverse Universe

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



65.9232, 0.3185, 0.2709



60.2144, 0.3199, 0.2584



79.7976, 0.3566, 0.3643



18.2795, 0.3148, 0.3070



14.3730, 0.3374, 0.1632

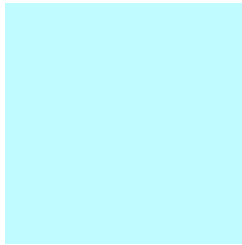


1.4052, 0.3353, 0.1621



# Previews

## White Background



This preview shows how the Yxy color 87.4208, 0.2759, 0.3247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

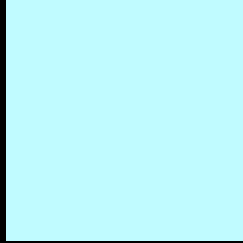
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.4208, 0.2759, 0.3247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

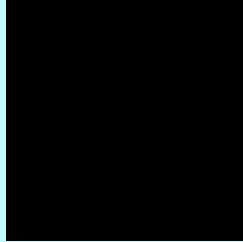
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.4208, 0.2759, 0.3247**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.4208, 0.2759, 0.3247.

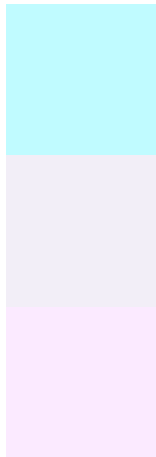


This preview shows how white text looks on a background with the Yxy color 87.4208, 0.2759, 0.3247.

# 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

87.4208, 0.2759, 0.3247

### Protanopia

86.7417, 0.3099, 0.3200

### Deuteranopia

86.5749, 0.3110, 0.3086



## Tritanopia

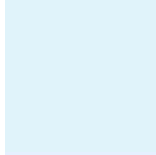
86.8268, 0.2902, 0.3177

# Trichromacy



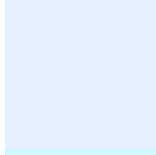
## Original Color

87.4208, 0.2759, 0.3247



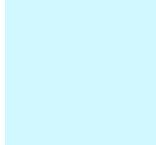
## Protanomaly

86.8506, 0.2966, 0.3218



## Deuteranomaly

86.3632, 0.2974, 0.3139



## Tritanomaly

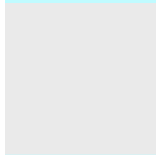
87.2968, 0.2850, 0.3206

# Monochromacy



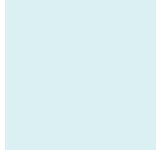
## Original Color

87.4208, 0.2759, 0.3247



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

83.7911, 0.2980, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.4208, 0.2759, 0.3247 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(192, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 251, 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(192, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 251, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 87.4208, 0.2759, 0.3247 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(192, 251, 255) }
```

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

```
.border{ border-color:rgb(192, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 251,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.4208, 0.2759, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 251, 255) }
```

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

```
.background{ background-color: rgb(192,  
251, 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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