

# Converting Colors

Yxy(98.8803, 0.2802, 0.3562)

Have a look what the booklet for  
Yxy(98.8803, 0.2802, 0.3562)  
contains.

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# Color

**Yxy(88.6164, 0.2791, 0.3407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFFF4
RGB	187, 255, 244
RGB Percent	73%, 100%, 96%
CMY	0.2665, 0.0000, 0.0430
CMYK	0.27, 0.00, 0.04, 0.00
HSL	170°, 100%, 87%
HSV	170°, 27%, 100%
XYZ	72.5942, 88.6164, 98.8904
YIQ	233.4140, -36.9970, -17.8370

# Conversions

## Conversions Part 2

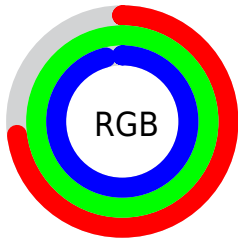
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 224, 255
Decimal	12320756
CIELab	95.42, -23.21, -1.58
CIELCh	95, 23.268, 183.896
Yxy	88.6164, 0.2791, 0.3407
Android (android.graphics.Color)	4290510836 (0xFFBBFFF4)
YUV	233.4140, 5.2189, -40.7051
Hunter-Lab	94.1363, -27.0864, 3.6111

# Details

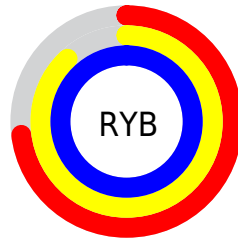
The Yxy color **88.6164, 0.2791, 0.3407** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.8967, 0.3611, 0.3178**, and the grayscale version is **81.8045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **48.9245, 0.2718, 0.3429** is the 20% darker color. If you saturate the color by 10%, you get **85.4362, 0.2683, 0.3458**, and if you desaturate by 10%, it is **92.3804, 0.2911, 0.3360**.

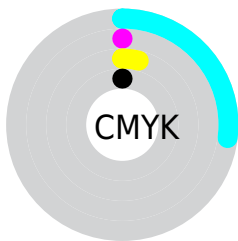
# Distribution



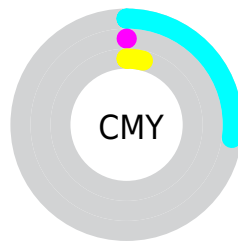
- Red (73%)
- Green (100%)
- Blue (96%)



- Red (73%)
- Yellow (88%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6164, 0.2791, 0.3407 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 88.6164, 0.2791, 0.3407 by changing the saturation by 10% instead.





 88.6164, 0.2791,  
0.3407

 88.6164, 0.2791,  
0.3407

523.5197, 0.2940,  
0.3356

 66.8337, 0.2758,  
0.3418


 145.4150, 0.2842,  
0.3390

 48.9495, 0.2718,  
0.3432


181.1997, 0.2862,  
0.3383

 34.5794, 0.2669,  
0.3448


222.4205, 0.2879,  
0.3377

 23.3391, 0.2606,  
0.3469

269.4617, 0.2894,  
0.3372

 14.8441, 0.2523,  
0.3496

322.7079, 0.2908,  
0.3367

 8.7100, 0.2410,  
0.3533

382.5434, 0.2920,

 4.5525, 0.2244,

0.3363

0.3586

449.3525, 0.2931,  
0.3359

1.9872, 0.1982,  
0.3666

0.6000, 0.0026,  
0.4388

88.6164, 0.2791,  
0.3407

88.6164, 0.2791,  
0.3407

85.4362, 0.2683,  
0.3458

92.3804, 0.2911,  
0.3360


82.7988, 0.2588,  
0.3511


96.7454, 0.3039,  
0.3317


80.6747, 0.2511,  
0.3567


99.9958, 0.3127,  
0.3290

79.0273, 0.2452,  
0.3625

 77.8152, 0.2413,  
0.3683

 76.9896, 0.2394,  
0.3742

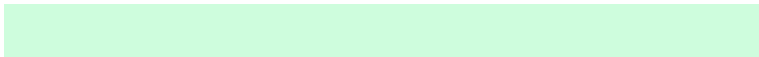
 76.4894, 0.2392,  
0.3799

 76.3635, 0.2394,  
0.3819

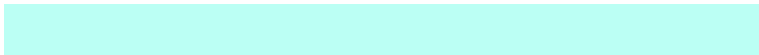
# Harmonies

## Analogous

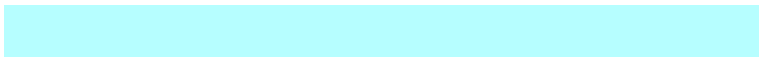
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6164, 0.3018, 0.3629



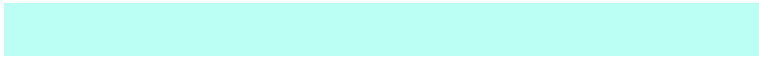
88.6164, 0.2791, 0.3407



88.6164, 0.2655, 0.3159

# Triad

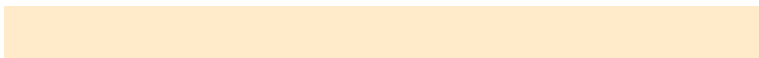
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6164, 0.2791, 0.3407



88.6164, 0.2958, 0.2873



88.6164, 0.3638, 0.3593

# Complementary

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



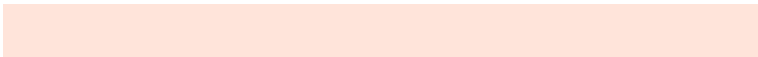
88.6164, 0.2791, 0.3407



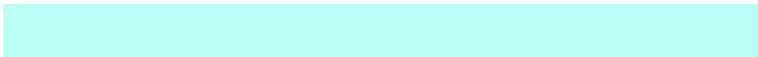
60.8967, 0.3611, 0.3178

# 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.



88.6164, 0.3623, 0.3387



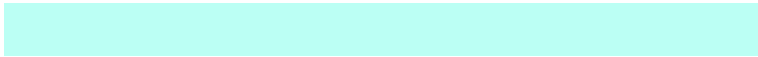
88.6164, 0.2791, 0.3407



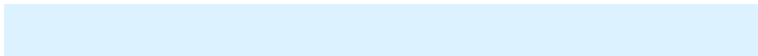
88.6164, 0.3222, 0.2983

# Square

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



88.6164, 0.2791, 0.3407



88.6164, 0.2748, 0.2863



88.6164, 0.3468, 0.3167

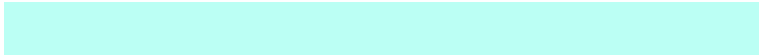


88.6164, 0.3510, 0.3730



# Rectangle

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



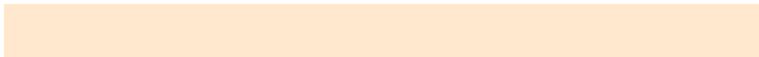
88.6164, 0.2791, 0.3407



88.6164, 0.2631, 0.3019



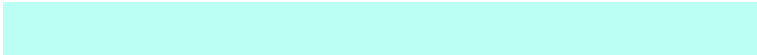
88.6164, 0.3468, 0.3167



88.6164, 0.3650, 0.3529

# Sweetspot

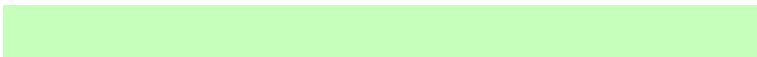
The Sweet Spot groups the original color and five complimentary colors.



88.6200, 0.2791, 0.3407



96.1240, 0.3021, 0.3322



87.1618, 0.3160, 0.4044



20.4282, 0.3002, 0.3329



0.0000, 0.0000, 0.0000

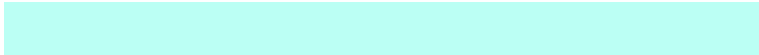


21.4041, 0.3127, 0.3290

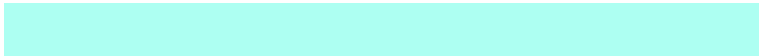


# Same Dimension

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



88.6200, 0.2791, 0.3407



86.8509, 0.2731, 0.3434



75.6975, 0.2713, 0.3042



20.4282, 0.3002, 0.3329



39.9227, 0.2391, 0.3809



3.9000, 0.2373, 0.3743



# Inverse Universe

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



60.8967, 0.3611, 0.3178



54.8700, 0.3747, 0.3154



70.7915, 0.3644, 0.3525



18.0349, 0.3269, 0.3252



11.2070, 0.6174, 0.3175

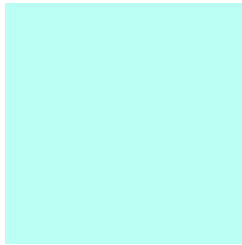


1.1042, 0.5897, 0.3022



# Previews

## White Background



This preview shows how the Yxy color 88.6164, 0.2791, 0.3407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

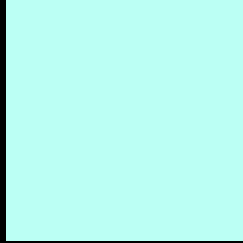
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6164, 0.2791, 0.3407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

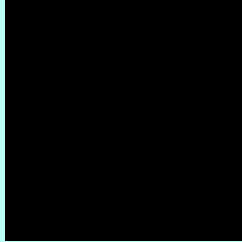
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.6164, 0.2791, 0.3407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.6164, 0.2791, 0.3407.

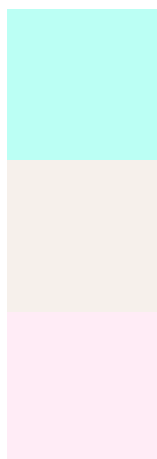


This preview shows how white text looks on a background with the Yxy color 88.6164, 0.2791, 0.3407.

# 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

88.6164, 0.2791, 0.3407

### Protanopia

87.9112, 0.3198, 0.3340

### Deuteranopia

87.9047, 0.3192, 0.3193



## Tritanopia

88.5037, 0.2920, 0.3198

# Trichromacy



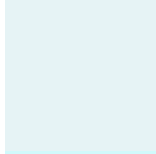
## Original Color

88.6164, 0.2791, 0.3407



## Protanomaly

87.4854, 0.3041, 0.3362



## Deuteranomaly

87.5168, 0.3032, 0.3269



## Tritanomaly

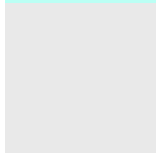
88.2717, 0.2873, 0.3268

# Monochromacy



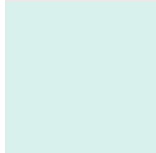
## Original Color

88.6164, 0.2791, 0.3407



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.6239, 0.2991, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6164, 0.2791, 0.3407 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, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 244)  
}
```

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, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6164, 0.2791, 0.3407 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, 255, 244) }
```

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

```
.border{ border-color:rgb(187, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(187, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6164, 0.2791, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 244) }
```

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

```
.background{ background-color: rgb(187,  
255, 244) }
```

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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