

# Converting Colors

$Y_{xy}(90.6878, 0.2844, 0.3361)$



Have a look what the booklet for  
Yxy(90.6878, 0.2844, 0.3361)  
contains.

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# Color

**Yxy(90.7148, 0.2846, 0.3363)**



# Conversions

Conversions Part 1	
Format	Color
Hex	C9FFF8
RGB	201, 255, 248
RGB Percent	79%, 100%, 97%
CMY	0.2121, 0.0000, 0.0275
CMYK	0.21, 0.00, 0.03, 0.00
HSL	172°, 100%, 89%
HSV	172°, 21%, 100%
XYZ	76.7691, 90.7148, 102.2598
YIQ	238.0560, -29.9370, -13.6250



# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">201, 230, 255</a>
Decimal	<a href="#">13238264</a>
CIELab	<a href="#">96.29, -18.38, -2.25</a>
CIELCh	<a href="#">96, 18.514, 186.986</a>
Yxy	<a href="#">90.7148, 0.2846, 0.3363</a>
Android (android.graphics.Color)	<a href="#">4291428344</a> (0xFFC9FFF8)
YUV	<a href="#">238.0560, 4.9024, -32.4981</a>
Hunter-Lab	<a href="#">95.2443, -22.8026, 3.0138</a>



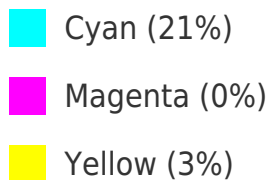
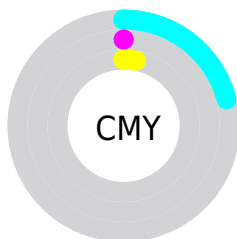
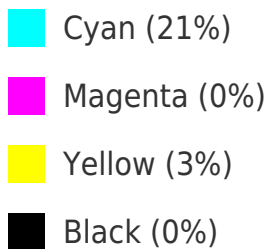
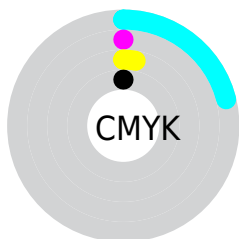
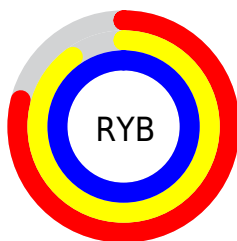
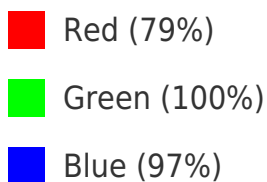
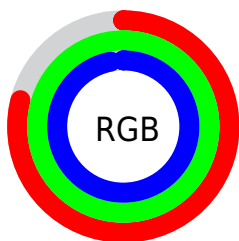
# Details

The Yxy color 90.7148, 0.2846, 0.3363 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 67.5376, 0.3502, 0.3219, and the grayscale version is 85.4988, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.3049, 0.2785, 0.3370 is the 20% darker color. If you saturate the color by 10%, you get 87.2539, 0.2728, 0.3402, and if you desaturate by 10%, it is 94.7375, 0.2975, 0.3327.



# Distribution







# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.7148, 0.2846, 0.3363 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 90.7148, 0.2846, 0.3363 by changing the saturation by 10% instead.




 90.7148, 0.2846,  
0.3363

 90.7148, 0.2846,  
0.3363


530.3533, 0.2970,  
0.3331

 68.5736, 0.2819,  
0.3370


148.3309, 0.2888,  
0.3352

 50.3646, 0.2786,  
0.3378


184.5746, 0.2905,  
0.3348

 35.7032, 0.2745,  
0.3388


226.2880, 0.2919,  
0.3345

 24.2050, 0.2693,  
0.3400

273.8554, 0.2932,  
0.3341

 15.4858, 0.2625,  
0.3416

327.6612, 0.2943,  
0.3338

 9.1610, 0.2532,  
0.3438

388.0899, 0.2953,


 4.8464, 0.2396,




0.3336

0.3468


455.5258, 0.2962,  
0.3334


 2.1574, 0.2182,  
0.3511


 0.6966, 0.1169,  
0.3815


 90.7148, 0.2846,  
0.3363


 90.7148, 0.2846,  
0.3363


 87.2539, 0.2728,  
0.3402


 94.7375, 0.2975,  
0.3327

 84.3683, 0.2622,  
0.3443


 99.3914, 0.3110,  
0.3294

 82.0125, 0.2533,  
0.3487


 100.0000, 0.3127,  
0.3290


 80.1520, 0.2461,  
0.3532



 78.7480, 0.2409,  
0.3577

 77.7563, 0.2377,  
0.3623

 77.1235, 0.2363,  
0.3669

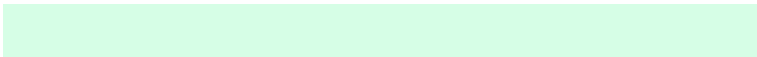
 76.7913, 0.2364,  
0.3709



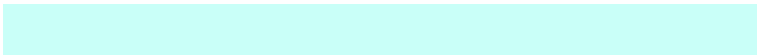
# Harmonies

## Analogous

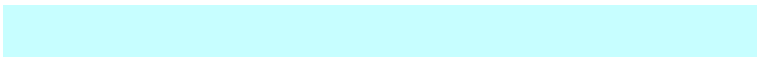
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7148, 0.3022, 0.3540



90.7148, 0.2846, 0.3363



90.7148, 0.2746, 0.3171



# Triad

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



90.7148, 0.2846, 0.3363



90.7148, 0.3015, 0.2963

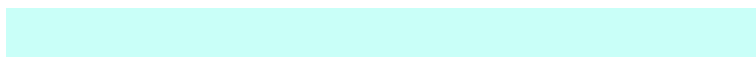


90.7148, 0.3524, 0.3547



# Complementary

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



90.7148, 0.2846, 0.3363



67.5376, 0.3502, 0.3219

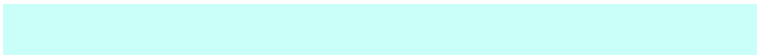


# Split Complementary

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.



90.7148, 0.3524, 0.3388



90.7148, 0.2846, 0.3363

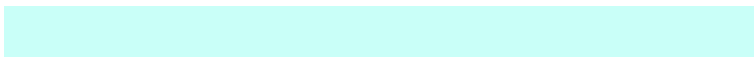


90.7148, 0.3225, 0.3058

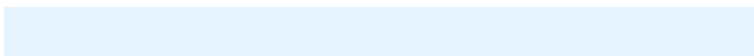


# Square

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



90.7148, 0.2846, 0.3363



90.7148, 0.2841, 0.2947



90.7148, 0.3413, 0.3211

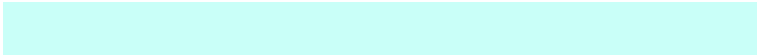


90.7148, 0.3415, 0.3644

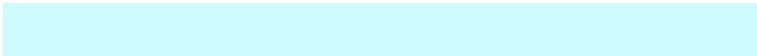


# Rectangle

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



90.7148, 0.2846, 0.3363



90.7148, 0.2733, 0.3063



90.7148, 0.3413, 0.3211

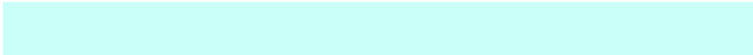


90.7148, 0.3537, 0.3498



# Sweetspot

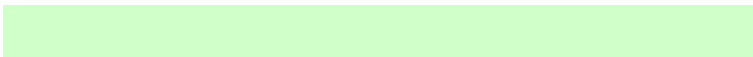
The Sweet Spot groups the original color and five complimentary colors.



90.7006, 0.2846, 0.3363



97.0857, 0.3045, 0.3309



89.1591, 0.3144, 0.3875



20.7154, 0.3036, 0.3311



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

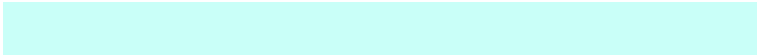




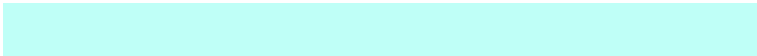


# Same Dimension

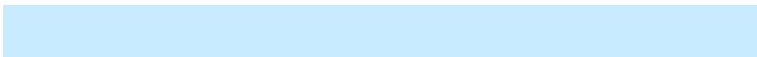
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7006, 0.2846, 0.3363



89.3280, 0.2800, 0.3377



79.1347, 0.2795, 0.3078



20.4386, 0.2997, 0.3321



40.1409, 0.2362, 0.3701



3.9192, 0.2347, 0.3649







# Inverse Universe

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



67.5376, 0.3502, 0.3219



62.7781, 0.3590, 0.3206



77.0472, 0.3516, 0.3493



18.0254, 0.3274, 0.3259



11.1781, 0.6238, 0.3210



1.0997, 0.5988, 0.3072

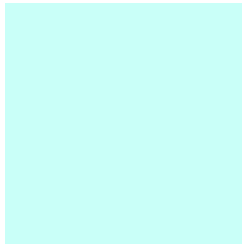






# Previews

## White Background



This preview shows how the Yxy color 90.7148, 0.2846, 0.3363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

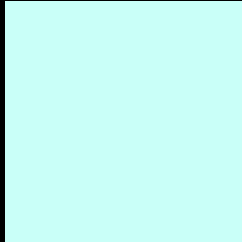
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.7148, 0.2846, 0.3363 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

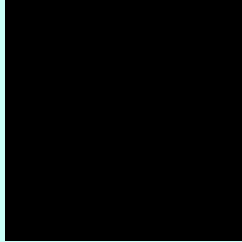
Any Text WCAG AAA ✓ Pass

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

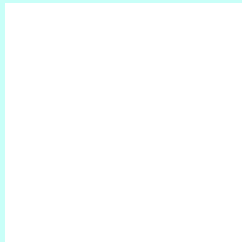


**Yxy 90.7148, 0.2846, 0.3363**

## Background



This preview shows how black text looks on a background with the Yxy color 90.7148, 0.2846, 0.3363.



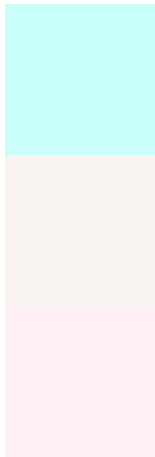
This preview shows how white text looks on a background with the Yxy color 90.7148, 0.2846, 0.3363.



# 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

90.7148, 0.2846, 0.3363

### Protanopia

89.8116, 0.3172, 0.3300

### Deuteranopia

90.3575, 0.3177, 0.3213





## Tritanopia

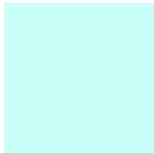
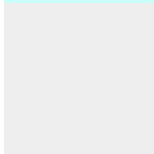
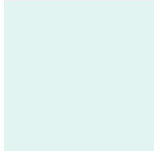
90.5645, 0.2975, 0.3210



# Trichromacy

	<b>Original Color</b> 90.7148, 0.2846, 0.3363
	<b>Protanomaly</b> 90.0421, 0.3044, 0.3320
	<b>Deuteranomaly</b> 89.7443, 0.3046, 0.3260
	<b>Tritanomaly</b> 90.4596, 0.2926, 0.3269

# Monochromacy

	<b>Original Color</b> 90.7148, 0.2846, 0.3363
	<b>Achromatopsia</b> 85.4993, 0.3127, 0.3290
	<b>Achromatomaly</b> 87.1197, 0.3018, 0.3310



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.7148, 0.2846, 0.3363 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(201, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 248)  
}
```



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(201, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 90.7148, 0.2846, 0.3363 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(201, 255, 248) }
```



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

```
.border{ border-color:rgb(201, 255, 248) }
```

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

Here you see how a box with a 4 pixel rgb(201, 255, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.7148, 0.2846, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 248) }
```

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

```
.background{ background-color: rgb(201,  
255, 248) }
```

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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