

# Converting Colors

$Yxy(90.0078, 0.2785, 0.3327)$

Have a look what the booklet for  
Yxy(90.0078, 0.2785, 0.3327)  
contains.

<b>Yxy(89.8857, 0.2783, 0.3321)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(89.8857, 0.2783, 0.3321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1FFFC
RGB	193, 255, 252
RGB Percent	76%, 100%, 99%
CMY	0.2430, 0.0000, 0.0119
CMYK	0.24, 0.00, 0.01, 0.00
HSL	177°, 100%, 88%
HSV	177°, 24%, 100%
XYZ	75.3243, 89.8857, 105.4486
YIQ	236.1200, -35.9890, -14.0770

# Conversions

## Conversions Part 2

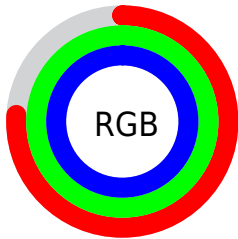
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 225, 255
Decimal	12713980
CIELab	95.95, -19.84, -4.86
CIElCh	96, 20.424, 193.762
Yxy	89.8857, 0.2783, 0.3321
Android (android.graphics.Color)	4290904060 (0xFFC1FFFC)
YUV	236.1200, 7.8288, -37.8162
Hunter-Lab	94.8081, -24.0973, 0.4214

# Details

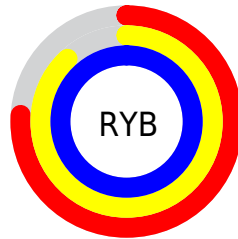
The Yxy color **89.8857, 0.2783, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4020, 0.3614, 0.3260**, and the grayscale version is **83.9411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **49.7316, 0.2713, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **86.7410, 0.2660, 0.3336**, and if you desaturate by 10%, it is **93.6131, 0.2918, 0.3307**.

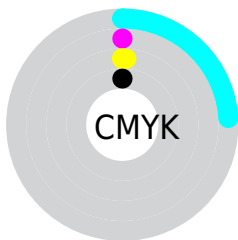
# Distribution



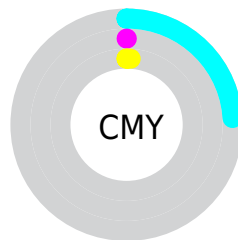
- Red (76%)
- Green (100%)
- Blue (99%)



- Red (76%)
- Yellow (88%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8857, 0.2783, 0.3321 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 89.8857, 0.2783, 0.3321 by changing the saturation by 10% instead.



 89.8857, 0.2783,  
0.3321

 89.8857, 0.2783,  
0.3321


527.6590, 0.2935,  
0.3309

 67.8858, 0.2750,  
0.3323


 147.1796, 0.2834,  
0.3317

 49.8049, 0.2710,  
0.3326


183.2425, 0.2855,  
0.3316

 35.2584, 0.2660,  
0.3329


224.7618, 0.2872,  
0.3314

 23.8620, 0.2597,  
0.3332

272.1219, 0.2888,  
0.3313

 15.2313, 0.2515,  
0.3335

325.7073, 0.2902,  
0.3312

 8.9819, 0.2402,  
0.3338

385.9024, 0.2914,

 4.7293, 0.2240,

0.3311

453.0915, 0.2925,  
0.3310

0.3340

2.0894, 0.1987,  
0.3334

0.6586, 0.0762,  
0.3541

89.8857, 0.2783,  
0.3321

89.8857, 0.2783,  
0.3321

86.7410, 0.2660,  
0.3336

93.6131, 0.2918,  
0.3307


84.1428, 0.2552,  
0.3351


97.9442, 0.3063,  
0.3295


82.0610, 0.2462,  
0.3367


100.0000, 0.3127,  
0.3290

80.4600, 0.2391,  
0.3383

 79.2996, 0.2339,  
0.3399

 78.5331, 0.2307,  
0.3416

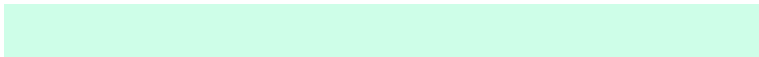
 78.1033, 0.2292,  
0.3432

 77.9628, 0.2289,  
0.3441

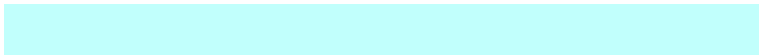
# Harmonies

## Analogous

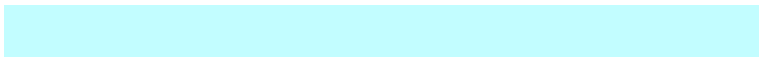
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8857, 0.2961, 0.3528



89.8857, 0.2783, 0.3321



89.8857, 0.2696, 0.3114

# Triad

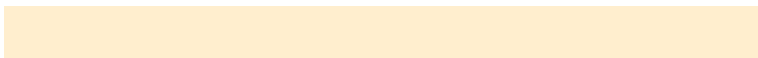
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8857, 0.2783, 0.3321



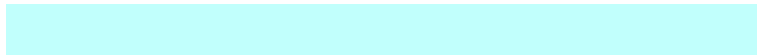
89.8857, 0.3053, 0.2946



89.8857, 0.3549, 0.3605

# Complementary

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



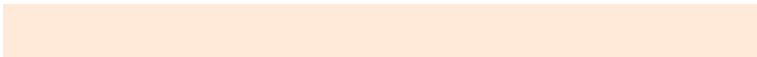
89.8857, 0.2783, 0.3321



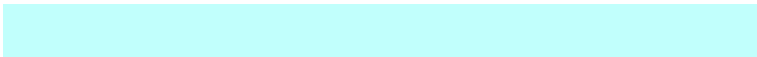
63.4020, 0.3614, 0.3260

# 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.



89.8857, 0.3578, 0.3440



89.8857, 0.2783, 0.3321



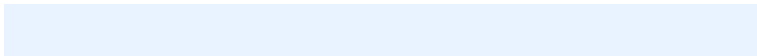
89.8857, 0.3286, 0.3068

# Square

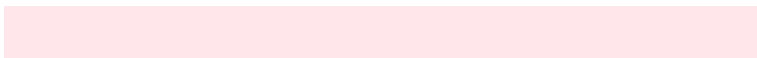
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.8857, 0.2783, 0.3321



89.8857, 0.2848, 0.2907



89.8857, 0.3481, 0.3245



89.8857, 0.3404, 0.3692



# Rectangle

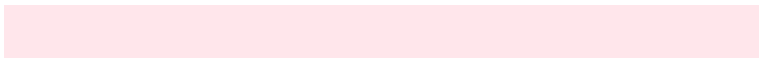
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



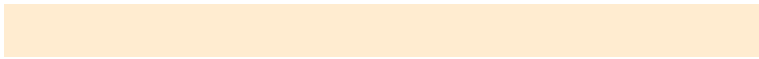
89.8857, 0.2783, 0.3321



89.8857, 0.2699, 0.3005



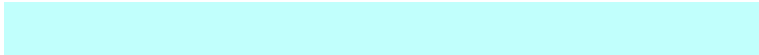
89.8857, 0.3481, 0.3245



89.8857, 0.3573, 0.3556

# Sweetspot

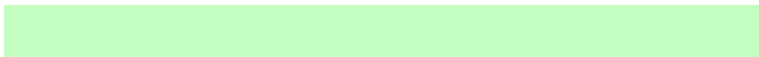
The Sweet Spot groups the original color and five complimentary colors.



89.8879, 0.2783, 0.3321



96.7143, 0.3023, 0.3298



87.1248, 0.3114, 0.3978



20.6433, 0.3014, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

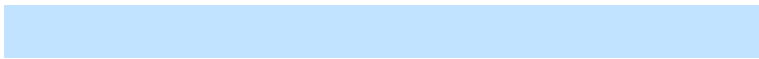
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8879, 0.2783, 0.3321



88.3391, 0.2724, 0.3328



73.5621, 0.2742, 0.2986



20.4652, 0.2987, 0.3301



40.7439, 0.2289, 0.3438



3.9716, 0.2283, 0.3420



# Inverse Universe

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



63.4020, 0.3614, 0.3260



57.8168, 0.3742, 0.3254



76.7808, 0.3572, 0.3576



18.0015, 0.3287, 0.3279



11.1293, 0.6352, 0.3273

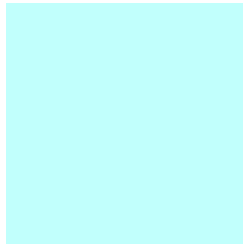


1.0885, 0.6236, 0.3209



# Previews

## White Background



This preview shows how the Yxy color 89.8857, 0.2783, 0.3321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

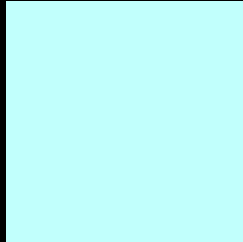
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.8857, 0.2783, 0.3321 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

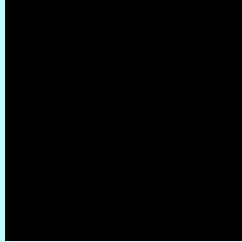
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

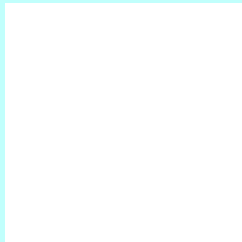
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.8857, 0.2783, 0.3321**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.8857, 0.2783, 0.3321.

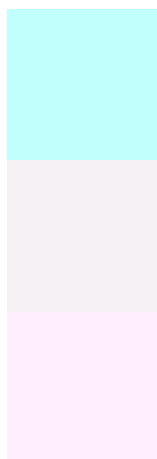


This preview shows how white text looks on a background with the Yxy color 89.8857, 0.2783, 0.3321.

# 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

89.8857, 0.2783, 0.3321

### Protanopia

89.0351, 0.3142, 0.3260

### Deuteranopia

89.4373, 0.3153, 0.3155



## Tritanopia

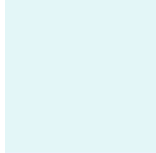
89.3003, 0.2950, 0.3199

# Trichromacy



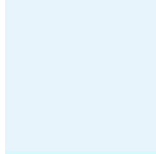
## Original Color

89.8857, 0.2783, 0.3321



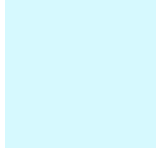
## Protanomaly

88.9578, 0.3002, 0.3279



## Deuteranomaly

88.8854, 0.3004, 0.3209



## Tritanomaly

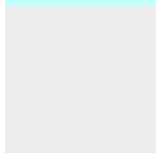
89.2033, 0.2886, 0.3238

# Monochromacy



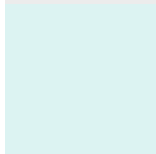
## Original Color

89.8857, 0.2783, 0.3321



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.7276, 0.2987, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.8857, 0.2783, 0.3321 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(193, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 252)  
}
```

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(193, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 89.8857, 0.2783, 0.3321 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(193, 255, 252) }
```

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

```
.border{ border-color:rgb(193, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.8857, 0.2783, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 252) }
```

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

```
.background{ background-color: rgb(193,  
255, 252) }
```

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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