

# Converting Colors

$Yxy(93.9313, 0.2484, 0.2593)$

Have a look what the booklet for  
Yxy(93.9313, 0.2484, 0.2593)  
contains.

<b>Yxy(88.6319, 0.2808, 0.3247)</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(88.6319, 0.2808, 0.3247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FBFF
RGB	201, 251, 255
RGB Percent	79%, 98%, 100%
CMY	0.2115, 0.0157, 0.0000
CMYK	0.21, 0.02, 0.00, 0.00
HSL	184°, 100%, 89%
HSV	184°, 21%, 100%
XYZ	76.6487, 88.6319, 107.6849
YIQ	236.5060, -31.0840, -9.3560

# Conversions

## Conversions Part 2

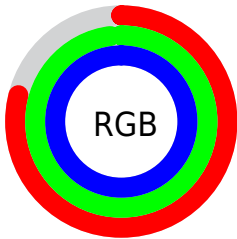
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 227, 255
Decimal	13237247
CIE <sub>Lab</sub>	95.43, -14.89, -7.15
CIE <sub>LCh</sub>	95, 16.515, 205.652
Yxy	88.6319, 0.2808, 0.3247
Android (android.graphics.Color)	4291427327 (0xFFC9FBFF)
YUV	236.5060, 9.1175, -31.1388
Hunter-Lab	94.1445, -19.4253, -1.9162

# Details

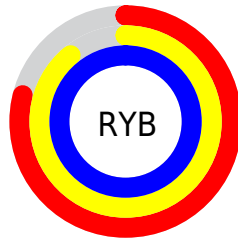
The Yxy color **88.6319, 0.2808, 0.3247** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.1795, 0.3547, 0.3332**, and the grayscale version is **84.2458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7718, 0.2742, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **84.2090, 0.2671, 0.3224**, and if you desaturate by 10%, it is **93.6590, 0.2955, 0.3268**.

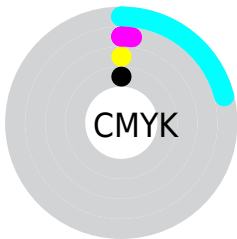
# Distribution



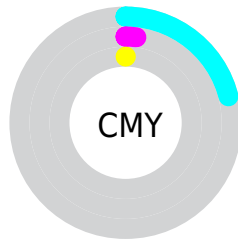
- Red (79%)
- Green (98%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



- Cyan (21%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6319, 0.2808, 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 88.6319, 0.2808, 0.3247 by changing the saturation by 10% instead.




 88.6319, 0.2808,  
0.3247

 88.6319, 0.2808,  
0.3247

523.5704, 0.2949,  
0.3268

 66.8465, 0.2777,  
0.3242

145.4366, 0.2856,  
0.3255

 48.9599, 0.2740,  
0.3236


181.2247, 0.2875,  
0.3257

 34.5877, 0.2694,  
0.3228


222.4491, 0.2891,  
0.3260

 23.3454, 0.2635,  
0.3217

269.4943, 0.2906,  
0.3262

 14.8488, 0.2558,  
0.3201

322.7446, 0.2918,  
0.3264

 8.7133, 0.2453,  
0.3179

382.5845, 0.2930,

 4.5547, 0.2301,

0.3265

0.3143

449.3982, 0.2940,  
0.3267

1.9884, 0.2063,  
0.3077

0.6007, 0.1051,  
0.3042

88.6319, 0.2808,  
0.3247

88.6319, 0.2808,  
0.3247

84.2090, 0.2671,  
0.3224

93.6590, 0.2955,  
0.3268

80.3528, 0.2548,  
0.3201

99.3088, 0.3109,  
0.3288

77.0349, 0.2440,  
0.3176

100.0000, 0.3127,  
0.3290

74.2206, 0.2350,  
0.3150

■ 71.8714, 0.2280,  
0.3124

■ 69.9429, 0.2229,  
0.3099

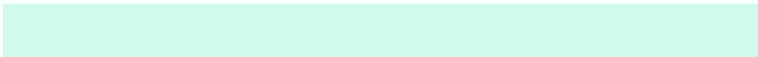
■ 68.3818, 0.2197,  
0.3073

■ 67.2337, 0.2181,  
0.3051

# Harmonies

## Analogous

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



88.6319, 0.2928, 0.3420



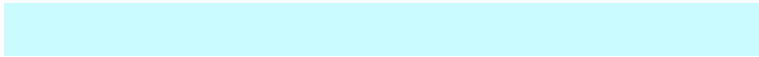
88.6319, 0.2808, 0.3247



88.6319, 0.2771, 0.3092

# Triad

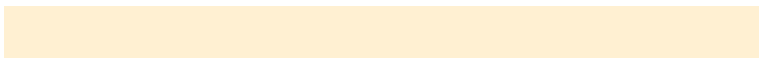
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6319, 0.2808, 0.3247



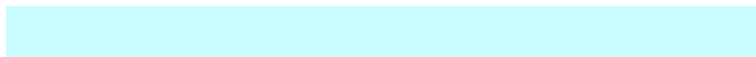
88.6319, 0.3143, 0.3041



88.6319, 0.3433, 0.3584

# Complementary

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



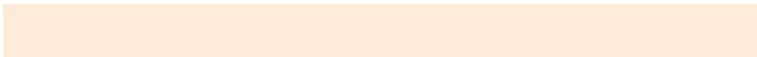
88.6319, 0.2808, 0.3247



69.1795, 0.3547, 0.3332

# 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.



88.6319, 0.3496, 0.3472



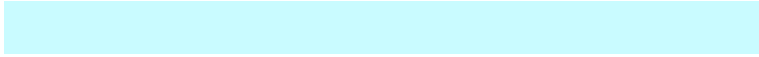
88.6319, 0.2808, 0.3247



88.6319, 0.3326, 0.3163

# Square

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



88.6319, 0.2808, 0.3247



88.6319, 0.2961, 0.2980



88.6319, 0.3457, 0.3319



88.6319, 0.3288, 0.3619

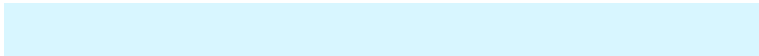


# Rectangle

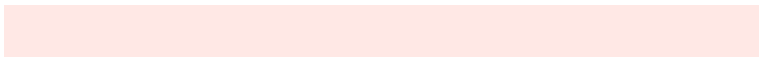
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.6319, 0.2808, 0.3247



88.6319, 0.2798, 0.3021



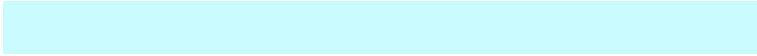
88.6319, 0.3457, 0.3319



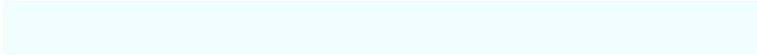
88.6319, 0.3465, 0.3554

# Sweetspot

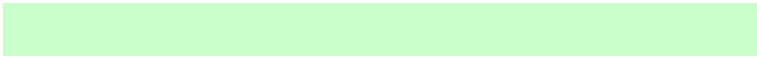
The Sweet Spot groups the original color and five complimentary colors.



88.6347, 0.2808, 0.3247



96.4891, 0.3034, 0.3279



88.3382, 0.3080, 0.3840



20.5738, 0.3024, 0.3277



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.



88.6347, 0.2808, 0.3247



86.8617, 0.2754, 0.3239



73.1936, 0.2788, 0.2961



20.2366, 0.2980, 0.3272



35.2286, 0.2182, 0.3055



3.4963, 0.2190, 0.3084



# Inverse Universe

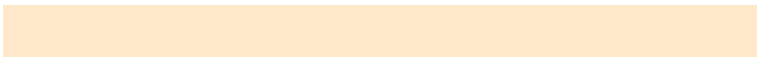
The Inverse Universe completely reimagines the original color for something new.



70.0287, 0.3180, 0.2799



65.5492, 0.3191, 0.2709



82.9846, 0.3493, 0.3599



18.2757, 0.3149, 0.3073



14.2843, 0.3406, 0.1650

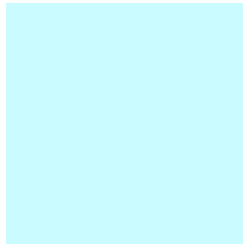


1.3975, 0.3381, 0.1636



# Previews

## White Background



This preview shows how the Yxy color 88.6319, 0.2808, 0.3247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

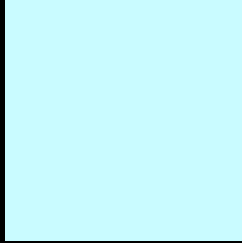
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6319, 0.2808, 0.3247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

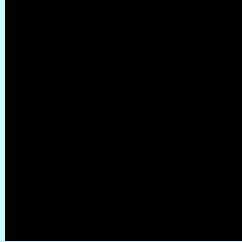
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.6319, 0.2808, 0.3247**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.6319, 0.2808, 0.3247.

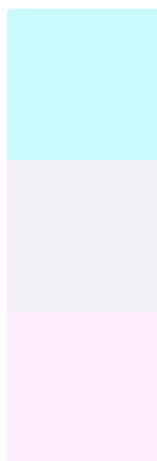


This preview shows how white text looks on a background with the Yxy color 88.6319, 0.2808, 0.3247.

# 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

88.6319, 0.2808, 0.3247

### Protanopia

88.1522, 0.3098, 0.3211

### Deuteranopia

88.2817, 0.3129, 0.3107



## Tritanopia

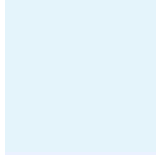
88.3721, 0.2938, 0.3188

# Trichromacy



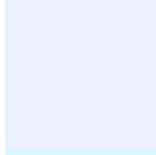
## Original Color

88.6319, 0.2808, 0.3247



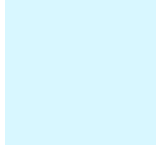
## Protanomaly

88.1604, 0.2985, 0.3219



## Deuteranomaly

87.7928, 0.3006, 0.3150



## Tritanomaly

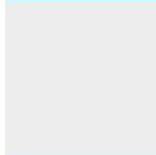
88.3405, 0.2891, 0.3207

# Monochromacy



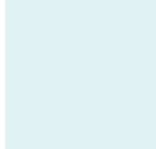
## Original Color

88.6319, 0.2808, 0.3247



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

85.8832, 0.3000, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6319, 0.2808, 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(201, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 251, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6319, 0.2808, 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(201, 251, 255) }
```

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

```
.border{ border-color:rgb(201, 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(201, 251, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 251,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6319, 0.2808, 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(201, 251, 255) }
```

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

```
.background{ background-color: rgb(201,  
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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