

# Converting Colors

$Y_{xy}(91.7350, 0.2903, 0.3384)$

Have a look what the booklet for  
Yxy(91.7350, 0.2903, 0.3384)  
contains.

<b>Yxy(91.7291, 0.2902, 0.3383)</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(91.7291, 0.2902, 0.3383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FFF6
RGB	209, 255, 246
RGB Percent	82%, 100%, 96%
CMY	0.1804, 0.0000, 0.0354
CMYK	0.18, 0.00, 0.04, 0.00
HSL	168°, 100%, 91%
HSV	168°, 18%, 100%
XYZ	78.6869, 91.7291, 100.7312
YIQ	240.2200, -24.5270, -12.5510

# Conversions

## Conversions Part 2

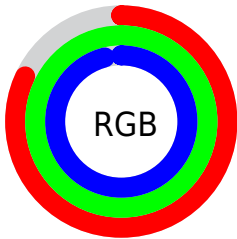
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 234, 255
Decimal	13762550
CIE Lab	96.71, -16.33, -0.55
CIE LCh	97, 16.338, 181.937
Yxy	91.7291, 0.2902, 0.3383
Android (android.graphics.Color)	4291952630 (0xFFD1FFF6)
YUV	240.2200, 2.8495, -27.3799
Hunter-Lab	95.7753, -20.9551, 4.6848

# Details

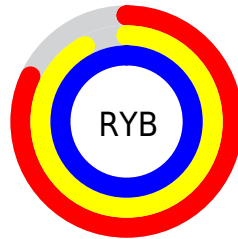
The Yxy color **91.7291, 0.2902, 0.3383** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9259, 0.3412, 0.3199**, and the grayscale version is **87.3090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9759, 0.2853, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **87.9990, 0.2788, 0.3441**, and if you desaturate by 10%, it is **96.0617, 0.3025, 0.3329**.

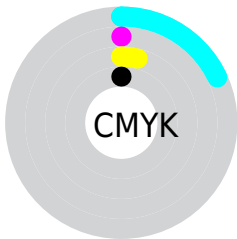
# Distribution



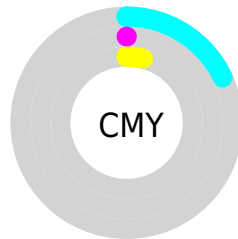
- Red (82%)
- Green (100%)
- Blue (96%)



- Red (82%)
- Yellow (92%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.7291, 0.2902, 0.3383 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 91.7291, 0.2902, 0.3383 by changing the saturation by 10% instead.




 91.7291, 0.2902,  
0.3383

 91.7291, 0.2902,  
0.3383


533.6396, 0.3002,  
0.3342

 69.4156, 0.2880,  
0.3392

149.7379, 0.2936,  
0.3369

 51.0503, 0.2854,  
0.3403

186.2020, 0.2949,  
0.3364

 36.2486, 0.2821,  
0.3416


228.1518, 0.2961,  
0.3359

 24.6263, 0.2779,  
0.3433


275.9716, 0.2971,  
0.3355

 15.7988, 0.2724,  
0.3455

330.0459, 0.2980,  
0.3351

 9.3819, 0.2649,  
0.3486

390.7591, 0.2988,

 4.9911, 0.2539,

0.3348

0.3530

458.4956, 0.2995,  
0.3345

■ 2.2421, 0.2365,  
0.3600

■ 0.7428, 0.1620,  
0.3914

■ 91.7291, 0.2902,  
0.3383

■ 91.7291, 0.2902,  
0.3383

■ 87.9990, 0.2788,  
0.3441


■ 96.0617, 0.3025,  
0.3329


■ 84.8446, 0.2684,  
0.3504


100.0000, 0.3127,  
0.3290

■ 82.2349, 0.2595,  
0.3570


■ 80.1362, 0.2523,  
0.3640

 78.5113, 0.2470,  
0.3711

 77.3180, 0.2436,  
0.3783

 76.5061, 0.2422,  
0.3856

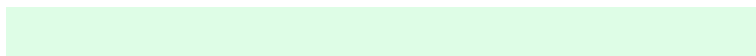
 76.0079, 0.2426,  
0.3927

 75.9280, 0.2428,  
0.3941

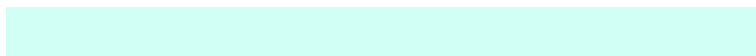
# Harmonies

## Analogous

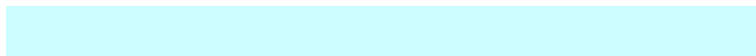
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7291, 0.3065, 0.3530



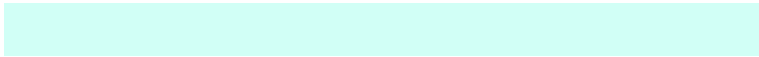
91.7291, 0.2902, 0.3383



91.7291, 0.2800, 0.3213

# Triad

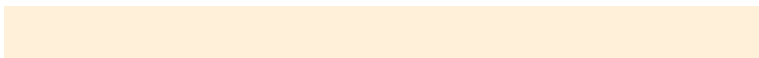
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.7291, 0.2902, 0.3383



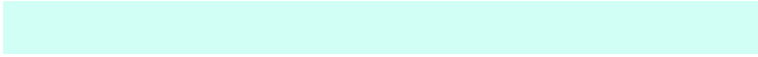
91.7291, 0.2999, 0.2993



91.7291, 0.3483, 0.3496

# Complementary

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



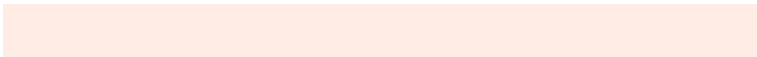
91.7291, 0.2902, 0.3383



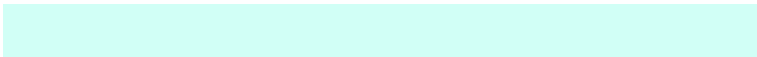
71.9259, 0.3412, 0.3199

# 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.



91.7291, 0.3466, 0.3351



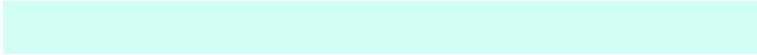
91.7291, 0.2902, 0.3383



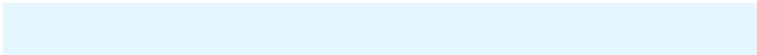
91.7291, 0.3182, 0.3067

# Square

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



91.7291, 0.2902, 0.3383



91.7291, 0.2855, 0.2993



91.7291, 0.3354, 0.3196



91.7291, 0.3402, 0.3592

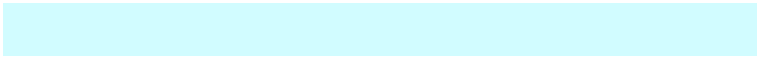


# Rectangle

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



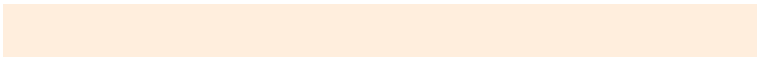
91.7291, 0.2902, 0.3383



91.7291, 0.2779, 0.3113



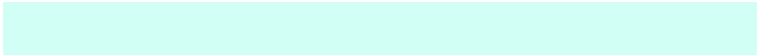
91.7291, 0.3354, 0.3196



91.7291, 0.3489, 0.3451

# Sweetspot

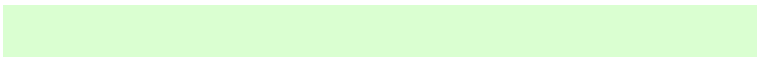
The Sweet Spot groups the original color and five complimentary colors.



91.7286, 0.2902, 0.3383



97.5016, 0.3063, 0.3314



91.0604, 0.3161, 0.3776



20.7969, 0.3054, 0.3318



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

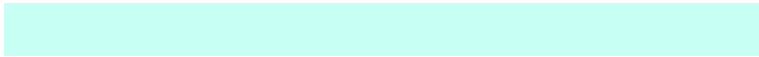


# Same Dimension

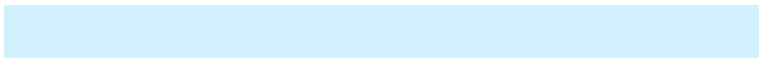
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.7286, 0.2902, 0.3383



90.1802, 0.2856, 0.3406



83.8056, 0.2847, 0.3145



20.4168, 0.3006, 0.3337



39.6957, 0.2425, 0.3929



3.8799, 0.2402, 0.3847



# Inverse Universe

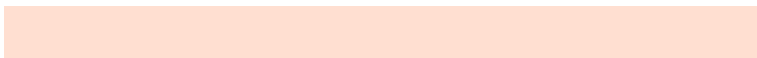
The Inverse Universe completely reimagines the original color for something new.



71.9259, 0.3412, 0.3199



66.7089, 0.3490, 0.3178



78.5336, 0.3454, 0.3430



18.0453, 0.3263, 0.3244



11.2455, 0.6090, 0.3129

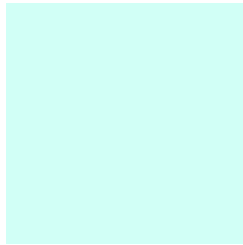


1.1094, 0.5794, 0.2966



# Previews

## White Background



This preview shows how the Yxy color 91.7291, 0.2902, 0.3383 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

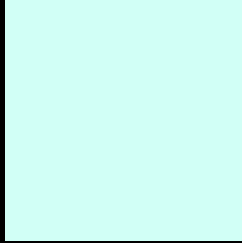
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.7291, 0.2902, 0.3383 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

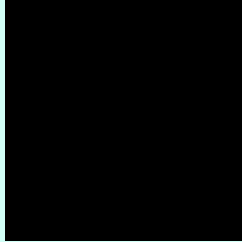
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

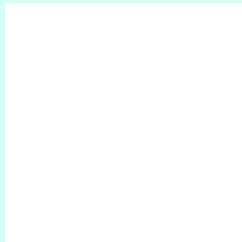
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.7291, 0.2902, 0.3383**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.7291, 0.2902, 0.3383.

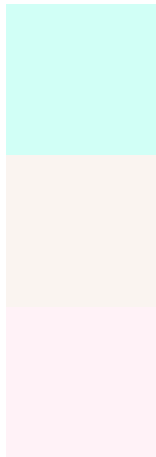


This preview shows how white text looks on a background with the Yxy color 91.7291, 0.2902, 0.3383.

# 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

91.7291, 0.2902, 0.3383

### Protanopia

91.3166, 0.3190, 0.3329

### Deuteranopia

91.4797, 0.3182, 0.3242



## Tritanopia

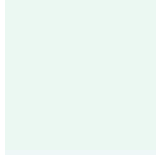
91.2340, 0.2999, 0.3210

# Trichromacy



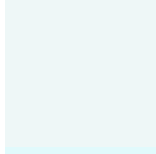
## Original Color

91.7291, 0.2902, 0.3383



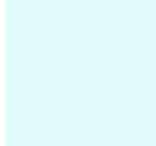
## Protanomaly

91.2078, 0.3080, 0.3350



## Deuteranomaly

91.4141, 0.3070, 0.3290



## Tritanomaly

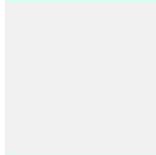
91.4070, 0.2962, 0.3269

# Monochromacy



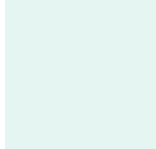
## Original Color

91.7291, 0.2902, 0.3383



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.3736, 0.3043, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.7291, 0.2902, 0.3383 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(209, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 246)  
}
```

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(209, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 91.7291, 0.2902, 0.3383 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(209, 255, 246) }
```

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

```
.border{ border-color:rgb(209, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.7291, 0.2902, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 246) }
```

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

```
.background{ background-color: rgb(209,  
255, 246) }
```

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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