

# Converting Colors

$Y_{xy}(100.0000, 0.2864, 0.3471)$

Have a look what the booklet for  
Yxy(100.0000, 0.2864, 0.3471)  
contains.

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# Color

**Yxy(91.4013, 0.2858, 0.3341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDFFFA
RGB	205, 255, 250
RGB Percent	80%, 100%, 98%
CMY	0.1962, 0.0000, 0.0195
CMYK	0.20, 0.00, 0.02, 0.00
HSL	174°, 100%, 90%
HSV	174°, 20%, 100%
XYZ	78.1876, 91.4013, 103.9857
YIQ	239.4800, -28.1950, -12.1550

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 231, 255
Decimal	13500410
CIE Lab	96.58, -16.74, -2.86
CIE LCh	97, 16.987, 189.695
Yxy	91.4013, 0.2858, 0.3341
Android (android.graphics.Color)	4291690490 (0xFFCDFFFA)
YUV	239.4800, 5.1864, -30.2390
Hunter-Lab	95.6040, -21.3248, 2.4348

# Details

The Yxy color **91.4013, 0.2858, 0.3341** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5554, 0.3479, 0.3240**, and the grayscale version is **86.6783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.7672, 0.2799, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **87.9051, 0.2734, 0.3370**, and if you desaturate by 10%, it is **95.4838, 0.2992, 0.3314**.

# Distribution



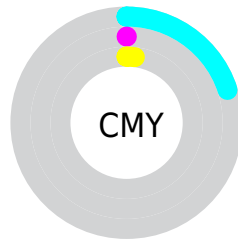
- Red (80%)
- Green (100%)
- Blue (98%)



- Red (80%)
- Yellow (91%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.4013, 0.2858, 0.3341 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 91.4013, 0.2858, 0.3341 by changing the saturation by 10% instead.



91.4013, 0.2858,  
0.3341

91.4013, 0.2858,  
0.3341

532.5788, 0.2977,  
0.3319

69.1435, 0.2832,  
0.3346

149.2833, 0.2898,  
0.3334

50.8286, 0.2801,  
0.3351

185.6763, 0.2914,  
0.3331

36.0722, 0.2762,  
0.3358

227.5498, 0.2928,  
0.3328

24.4900, 0.2712,  
0.3366

275.2882, 0.2940,  
0.3326

15.6975, 0.2648,  
0.3376

329.2759, 0.2951,  
0.3324

9.3103, 0.2559,  
0.3390

389.8973, 0.2961,

4.9441, 0.2431,

0.3322

0.3408

457.5368, 0.2969,  
0.3321

■ 2.2145, 0.2229,  
0.3433

■ 0.7279, 0.1413,  
0.3633

■ 91.4013, 0.2858,  
0.3341

■ 91.4013, 0.2858,  
0.3341

■ 87.9051, 0.2734,  
0.3370

■ 95.4838, 0.2992,  
0.3314

■ 84.9767, 0.2624,  
0.3401

100.0000, 0.3127,  
0.3290

■ 82.5818, 0.2529,  
0.3434

■ 80.6864, 0.2452,  
0.3468

■ 79.2527, 0.2395,  
0.3502

■ 78.2373, 0.2357,  
0.3537

■ 77.5886, 0.2339,  
0.3571

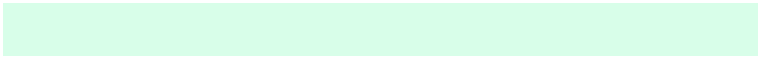
■ 77.2259, 0.2335,  
0.3605

■ 77.2143, 0.2335,  
0.3607

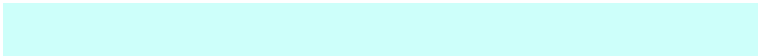
# Harmonies

## Analogous

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



91.4013, 0.3015, 0.3506



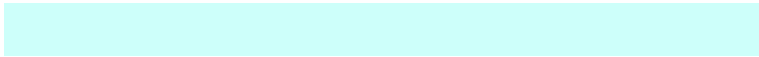
91.4013, 0.2858, 0.3341



91.4013, 0.2773, 0.3167

# Triad

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



91.4013, 0.2858, 0.3341



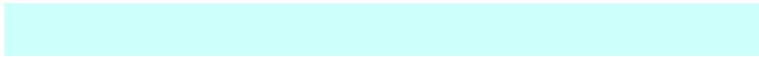
91.4013, 0.3041, 0.2994



91.4013, 0.3485, 0.3536

# Complementary

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



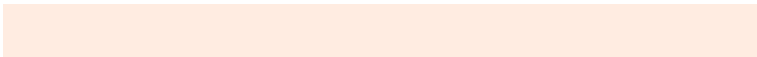
91.4013, 0.2858, 0.3341



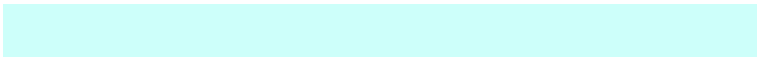
69.5554, 0.3479, 0.3240

# 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.



91.4013, 0.3495, 0.3395



91.4013, 0.2858, 0.3341



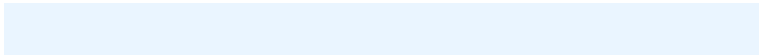
91.4013, 0.3234, 0.3088

# Square

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



91.4013, 0.2858, 0.3341



91.4013, 0.2877, 0.2974



91.4013, 0.3401, 0.3232

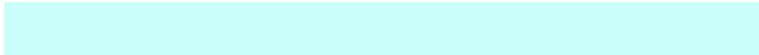


91.4013, 0.3378, 0.3617

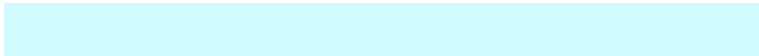


# Rectangle

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



91.4013, 0.2858, 0.3341



91.4013, 0.2767, 0.3071



91.4013, 0.3401, 0.3232



91.4013, 0.3500, 0.3494

# Sweetspot

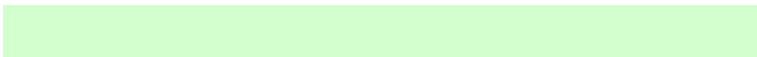
The Sweet Spot groups the original color and five complimentary colors.



91.3979, 0.2858, 0.3341



97.1153, 0.3042, 0.3305



89.6229, 0.3133, 0.3828



20.7224, 0.3033, 0.3306



0.0000, 0.0000, 0.0000

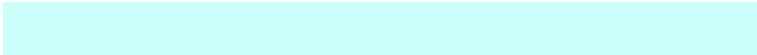


21.4041, 0.3127, 0.3290

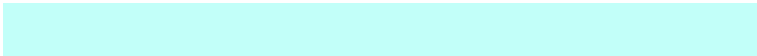


# Same Dimension

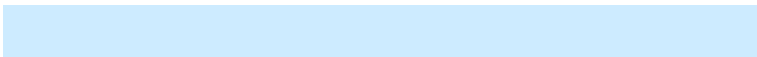
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.3979, 0.2858, 0.3341



89.7974, 0.2802, 0.3353



79.6025, 0.2819, 0.3078



20.4485, 0.2993, 0.3314



40.3588, 0.2334, 0.3601



3.9382, 0.2323, 0.3562



# Inverse Universe

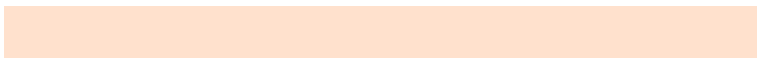
The Inverse Universe completely reimagines the original color for something new.



69.5554, 0.3479, 0.3240



63.9192, 0.3581, 0.3228



79.5048, 0.3479, 0.3493



18.0164, 0.3279, 0.3267



11.1558, 0.6289, 0.3238

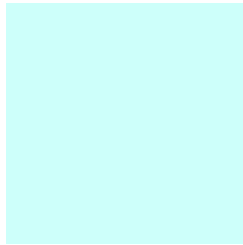


1.0955, 0.6078, 0.3122



# Previews

## White Background



This preview shows how the Yxy color 91.4013, 0.2858, 0.3341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

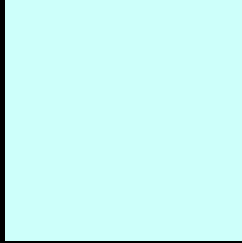
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.4013, 0.2858, 0.3341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

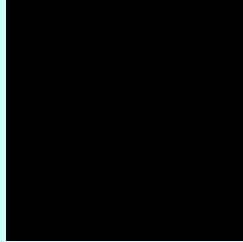
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.4013, 0.2858, 0.3341**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.4013, 0.2858, 0.3341.

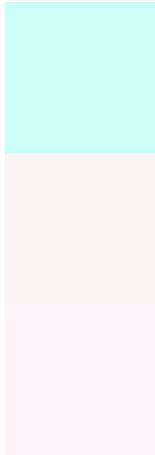


This preview shows how white text looks on a background with the Yxy color 91.4013, 0.2858, 0.3341.

# 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

91.4013, 0.2858, 0.3341

### Protanopia

90.7120, 0.3166, 0.3290

### Deuteranopia

91.0101, 0.3170, 0.3213



## Tritanopia

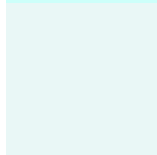
90.8973, 0.2987, 0.3210

# Trichromacy



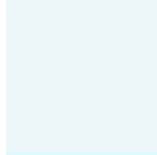
## Original Color

91.4013, 0.2858, 0.3341



## Protanomaly

90.4990, 0.3045, 0.3300



## Deuteranomaly

90.7556, 0.3052, 0.3260



## Tritanomaly

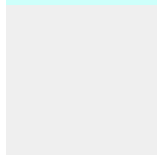
90.9927, 0.2938, 0.3259

# Monochromacy



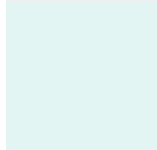
## Original Color

91.4013, 0.2858, 0.3341



## Achromatopsia

86.3157, 0.3127, 0.3290



## Achromatomaly

88.1068, 0.3025, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.4013, 0.2858, 0.3341 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(205, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 250)  
}
```

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(205, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 91.4013, 0.2858, 0.3341 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(205, 255, 250) }
```

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

```
.border{ border-color:rgb(205, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.4013, 0.2858, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 250) }
```

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

```
.background{ background-color: rgb(205,  
255, 250) }
```

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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