

# Converting Colors

$Y_{xy}(178.3800, 0.2896, 0.4240)$

Have a look what the booklet for  
Yxy(178.3800, 0.2896, 0.4240)  
contains.

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# Color

**Yxy(91.3856, 0.2842, 0.3320)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCFFFC
RGB	204, 255, 252
RGB Percent	80%, 100%, 99%
CMY	0.2002, 0.0000, 0.0116
CMYK	0.20, 0.00, 0.01, 0.00
HSL	177°, 100%, 90%
HSV	177°, 20%, 100%
XYZ	78.2283, 91.3856, 105.6440
YIQ	239.4090, -29.4330, -11.7450

# Conversions

## Conversions Part 2

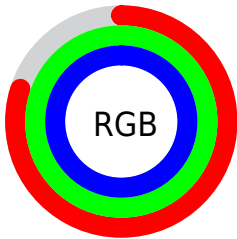
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 230, 255
Decimal	13434876
CIE <sub>Lab</sub>	96.57, -16.64, -3.91
CIE <sub>LCh</sub>	97, 17.089, 193.237
Yxy	91.3856, 0.2842, 0.3320
Android (android.graphics.Color)	4291624956 (0xFFCCFFFC)
YUV	239.4090, 6.2074, -31.0537
Hunter-Lab	95.5958, -21.2220, 1.3951

# Details

The Yxy color **91.3856, 0.2842, 0.3320** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.9265, 0.3504, 0.3261**, and the grayscale version is **86.6122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.7179, 0.2786, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **87.9767, 0.2714, 0.3337**, and if you desaturate by 10%, it is **95.3784, 0.2981, 0.3304**.

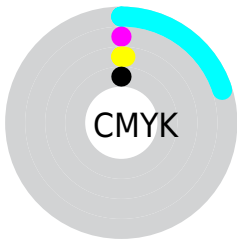
# Distribution



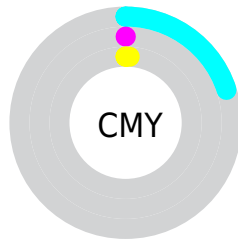
- Red (80%)
- Green (100%)
- Blue (99%)



- Red (80%)
- Yellow (90%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.3856, 0.2842, 0.3320 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 91.3856, 0.2842, 0.3320 by changing the saturation by 10% instead.




 91.3856, 0.2842,  
0.3320

 91.3856, 0.2842,  
0.3320

532.5279, 0.2968,  
0.3308

 69.1304, 0.2815,  
0.3322


149.2616, 0.2885,  
0.3316

 50.8179, 0.2781,  
0.3325


185.6511, 0.2901,  
0.3315

 36.0637, 0.2740,  
0.3328


227.5210, 0.2916,  
0.3313

 24.4834, 0.2688,  
0.3332


275.2555, 0.2929,  
0.3312

 15.6926, 0.2620,  
0.3337

329.2390, 0.2940,  
0.3311

 9.3069, 0.2527,  
0.3342


389.8560, 0.2950,

 4.9419, 0.2393,

0.3310


457.4909, 0.2960,  
0.3309

0.3348

 2.2132, 0.2182,  
0.3352


 0.7272, 0.1370,  
0.3494

 91.3856, 0.2842,  
0.3320


 91.3856, 0.2842,  
0.3320

 87.9767, 0.2714,  
0.3337


 95.3784, 0.2981,  
0.3304

 85.1330, 0.2601,  
0.3355

99.9918, 0.3127,  
0.3290

 82.8201, 0.2503,  
0.3373

100.0000, 0.3127,  
0.3290

 81.0039, 0.2424,  
0.3393

■ 79.6464, 0.2365,  
0.3412

■ 78.7041, 0.2325,  
0.3432

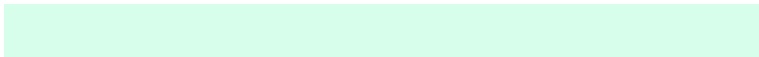
■ 78.1248, 0.2304,  
0.3451

■ 77.8241, 0.2297,  
0.3470

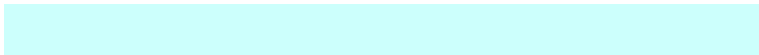
# Harmonies

## Analogous

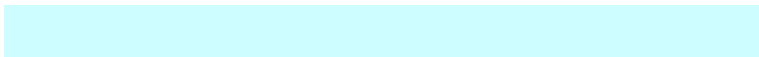
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3856, 0.2993, 0.3490



91.3856, 0.2842, 0.3320



91.3856, 0.2767, 0.3147

# Triad

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



91.3856, 0.2842, 0.3320



91.3856, 0.3063, 0.3000



91.3856, 0.3479, 0.3551

# Complementary

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



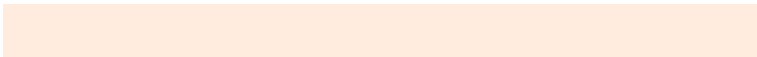
91.3856, 0.2842, 0.3320



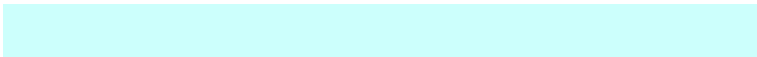
68.9265, 0.3504, 0.3261

# 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.



91.3856, 0.3501, 0.3414



91.3856, 0.2842, 0.3320



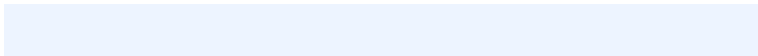
91.3856, 0.3257, 0.3102

# Square

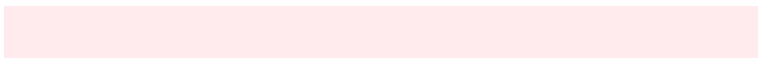
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.3856, 0.2842, 0.3320



91.3856, 0.2892, 0.2970



91.3856, 0.3419, 0.3251

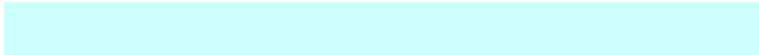


91.3856, 0.3361, 0.3623

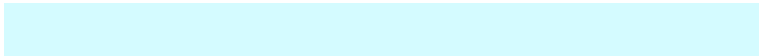


# Rectangle

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



91.3856, 0.2842, 0.3320



91.3856, 0.2769, 0.3056



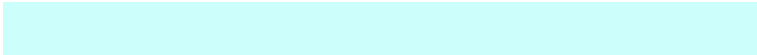
91.3856, 0.3419, 0.3251



91.3856, 0.3499, 0.3511

# Sweetspot

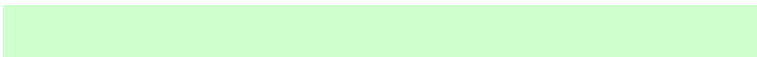
The Sweet Spot groups the original color and five complimentary colors.



91.3822, 0.2842, 0.3320



97.1558, 0.3039, 0.3298



89.1950, 0.3122, 0.3842



20.7320, 0.3029, 0.3299



0.0000, 0.0000, 0.0000

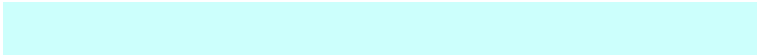


21.4041, 0.3127, 0.3290

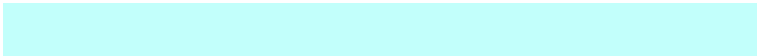


# Same Dimension

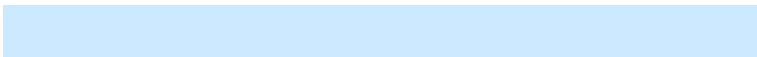
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.3822, 0.2842, 0.3320



89.9565, 0.2790, 0.3326



78.2622, 0.2812, 0.3054



20.4622, 0.2988, 0.3304



40.6726, 0.2296, 0.3467



3.9655, 0.2290, 0.3445



# Inverse Universe

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



68.9265, 0.3504, 0.3261



63.8018, 0.3602, 0.3255



80.0516, 0.3484, 0.3515



18.0041, 0.3285, 0.3277



11.1332, 0.6342, 0.3268

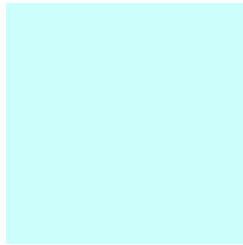


1.0897, 0.6207, 0.3193



# Previews

## White Background



This preview shows how the Yxy color 91.3856, 0.2842, 0.3320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

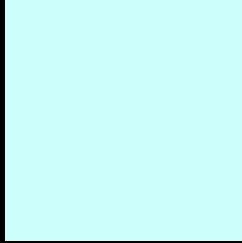
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.3856, 0.2842, 0.3320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

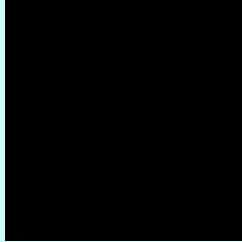
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.3856, 0.2842, 0.3320**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.3856, 0.2842, 0.3320.

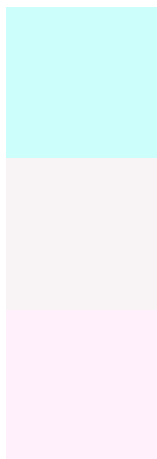


This preview shows how white text looks on a background with the Yxy color 91.3856, 0.2842, 0.3320.

# 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

91.3856, 0.2842, 0.3320

### Protanopia

90.6502, 0.3148, 0.3270

### Deuteranopia

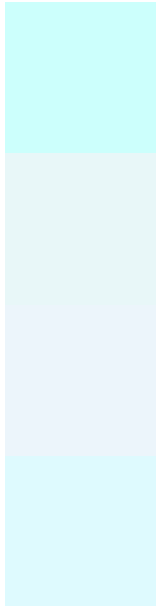
90.5452, 0.3158, 0.3184



## Tritanopia

90.8973, 0.2987, 0.3210

# Trichromacy



## Original Color

91.3856, 0.2842, 0.3320

## Protanomaly

90.4546, 0.3027, 0.3280

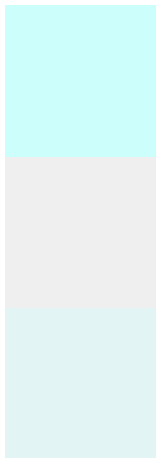
## Deuteranomaly

90.1027, 0.3035, 0.3230

## Tritanomaly

91.0566, 0.2933, 0.3249

# Monochromacy



## Original Color

91.3856, 0.2842, 0.3320

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

88.0052, 0.3013, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.3856, 0.2842, 0.3320 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(204, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 91.3856, 0.2842, 0.3320 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(204, 255, 252) }
```

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

```
.border{ border-color:rgb(204, 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(204, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.3856, 0.2842, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 252) }
```

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

```
.background{ background-color: rgb(204,  
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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