

# Converting Colors

$Yxy(83.4694, 0.2890, 0.3303)$

Have a look what the booklet for  
Yxy(83.4694, 0.2890, 0.3303)  
contains.

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# Color

**Yxy(83.3494, 0.2889, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF3F2
RGB	204, 243, 242
RGB Percent	80%, 95%, 95%
CMY	0.2002, 0.0470, 0.0509
CMYK	0.16, 0.00, 0.00, 0.05
HSL	178°, 62%, 88%
HSV	178°, 16%, 95%
XYZ	72.9686, 83.3494, 96.2559
YIQ	231.2250, -22.9230, -8.5790

# Conversions

## Conversions Part 2

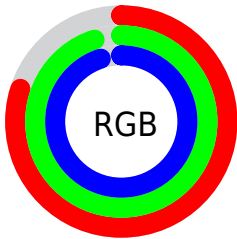
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 224, 243
Decimal	13431794
CIELab	93.17, -12.72, -3.73
CIELCh	93, 13.256, 196.342
Yxy	83.3494, 0.2889, 0.3300
Android (android.graphics.Color)	4291621874 (0xFFCCCF3F2)
YUV	231.2250, 5.3121, -23.8763
Hunter-Lab	91.2959, -17.1010, 1.3959

# Details

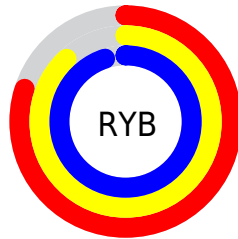
The Yxy color **83.3494, 0.2889, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.6213, 0.3425, 0.3280**, and the grayscale version is **80.0550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4754, 0.2835, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **80.1464, 0.2753, 0.3307**, and if you desaturate by 10%, it is **87.0952, 0.3035, 0.3294**.

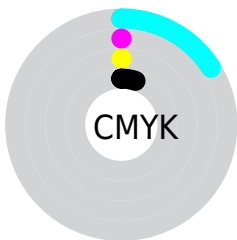
# Distribution



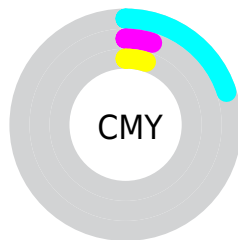
- Red (80%)
- Green (95%)
- Blue (95%)



- Red (80%)
- Yellow (88%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (20%)
- Magenta (5%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3494, 0.2889, 0.3300 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 83.3494, 0.2889, 0.3300 by changing the saturation by 10% instead.




 83.3494, 0.2889,  
0.3300

 83.3494, 0.2889,  
0.3300

506.1502, 0.2996,  
0.3296

 62.4784, 0.2865,  
0.3301


138.0647, 0.2926,  
0.3299

 45.4194, 0.2836,  
0.3301


172.6779, 0.2940,  
0.3299

 31.7879, 0.2800,  
0.3302


212.6405, 0.2952,  
0.3298

 21.1995, 0.2754,  
0.3302

258.3371, 0.2963,  
0.3298

 13.2699, 0.2692,  
0.3303

310.1519, 0.2973,  
0.3297

 7.6147, 0.2607,  
0.3302

368.4695, 0.2981,

 3.8494, 0.2479,

0.3297

433.6741, 0.2989,  
0.3297

0.3299

1.5897, 0.2271,  
0.3290

0.3506, 0.0224,  
0.3451

83.3494, 0.2889,  
0.3300

83.3494, 0.2889,  
0.3300

80.1464, 0.2753,  
0.3307

87.0952, 0.3035,  
0.3294

77.4509, 0.2631,  
0.3314


91.3965, 0.3188,  
0.3288


75.2398, 0.2524,  
0.3322


91.8969, 0.3200,  
0.3282


73.4839, 0.2436,  
0.3331

91.9349, 0.3196,  
0.3276

 72.1508, 0.2366,  
0.3339


 91.9730, 0.3192,  
0.3270


 71.2042, 0.2317,  
0.3347


 92.0113, 0.3189,  
0.3264

 70.6012, 0.2286,  
0.3356

 92.0497, 0.3185,  
0.3258

 70.2889, 0.2272,  
0.3364

 92.0882, 0.3181,  
0.3252

 70.2131, 0.2269,  
0.3367

 92.1268, 0.3177,  
0.3246

# Harmonies

## Analogous

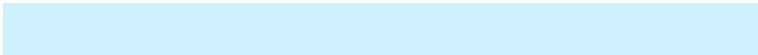
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3494, 0.3005, 0.3436



83.3494, 0.2889, 0.3300



83.3494, 0.2836, 0.3165

# Triad

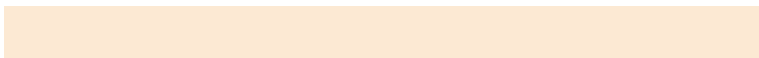
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3494, 0.2889, 0.3300



83.3494, 0.3092, 0.3063



83.3494, 0.3402, 0.3509

# Complementary

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



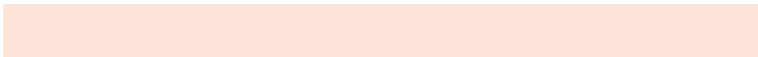
83.3494, 0.2889, 0.3300



66.6213, 0.3425, 0.3280

# 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.



83.3494, 0.3428, 0.3404



83.3494, 0.2889, 0.3300



83.3494, 0.3247, 0.3150

# Square

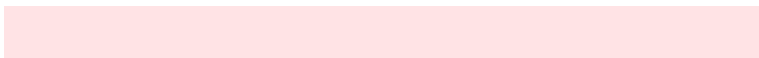
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3494, 0.2889, 0.3300



83.3494, 0.2951, 0.3032



83.3494, 0.3370, 0.3273



83.3494, 0.3302, 0.3558

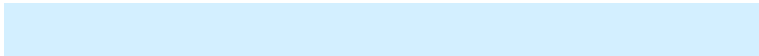


# Rectangle

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



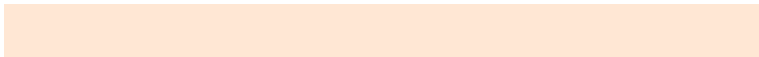
83.3494, 0.2889, 0.3300



83.3494, 0.2842, 0.3094



83.3494, 0.3370, 0.3273



83.3494, 0.3420, 0.3479

# Sweetspot

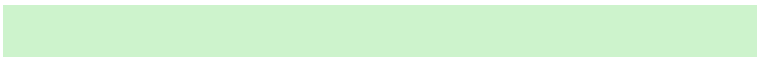
The Sweet Spot groups the original color and five complimentary colors.



83.3528, 0.2889, 0.3300



97.6404, 0.3051, 0.3293



81.4828, 0.3115, 0.3722



20.8308, 0.3040, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

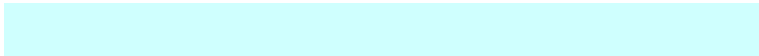


# Same Dimension

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



83.3528, 0.2889, 0.3300



91.8607, 0.2848, 0.3302



73.0343, 0.2875, 0.3091



18.7500, 0.2984, 0.3296



38.5322, 0.2268, 0.3366



3.3889, 0.2265, 0.3355



# Inverse Universe

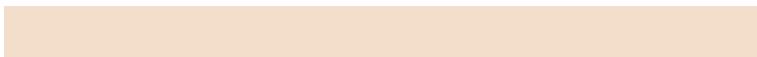
The Inverse Universe completely reimagines the original color for something new.



66.6213, 0.3425, 0.3280



70.2119, 0.3493, 0.3278



75.7517, 0.3402, 0.3481



16.4894, 0.3290, 0.3284



10.4684, 0.6374, 0.3285

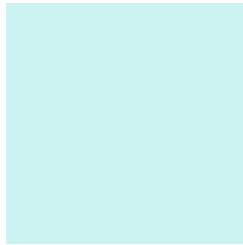


0.9225, 0.6306, 0.3247



# Previews

## White Background



This preview shows how the Yxy color 83.3494, 0.2889, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

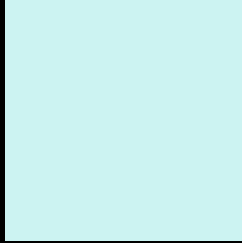
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.3494, 0.2889, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

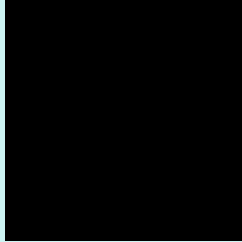
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

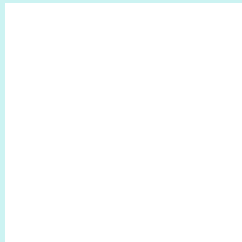
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.3494, 0.2889, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.3494, 0.2889, 0.3300.

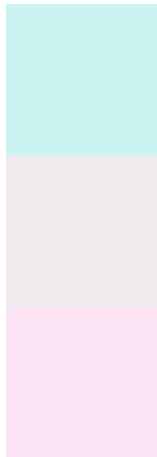


This preview shows how white text looks on a background with the Yxy color 83.3494, 0.2889, 0.3300.

# 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

83.3494, 0.2889, 0.3300

### Protanopia

83.1372, 0.3135, 0.3260

### Deuteranopia

82.9620, 0.3190, 0.3123



## Tritanopia

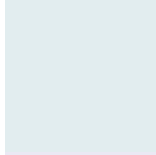
83.0991, 0.2870, 0.3123

# Trichromacy



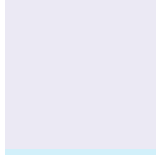
## Original Color

83.3494, 0.2889, 0.3300



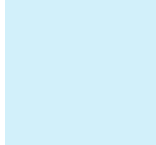
## Protanomaly

82.9691, 0.3043, 0.3269



## Deuteranomaly

82.4716, 0.3072, 0.3178



## Tritanomaly

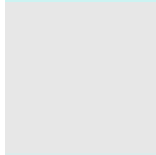
82.9239, 0.2880, 0.3184

# Monochromacy



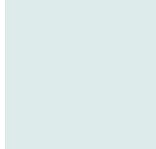
## Original Color

83.3494, 0.2889, 0.3300



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

80.7870, 0.3035, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.3494, 0.2889, 0.3300 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, 243, 242)` looks like.

```
.text, #text, p{  
    color:rgb(204, 243, 242)  
}
```

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, 243, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 243, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 83.3494, 0.2889, 0.3300 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, 243, 242) }
```

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

```
.border{ border-color:rgb(204, 243, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 243, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 243, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 243, 242);  
box-shadow:4px 4px 4px 4px rgb(204, 243,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.3494, 0.2889, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 243, 242) }
```

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

```
.background{ background-color: rgb(204,  
243, 242) }
```

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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