

# Converting Colors

$Y_{xy}(89.7492, 0.2956, 0.3571)$

Have a look what the booklet for  
Yxy(89.7492, 0.2956, 0.3571)  
contains.

<b>Yxy(89.7337, 0.2952, 0.3568)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(89.7337, 0.2952, 0.3568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFFE5
RGB	202, 255, 229
RGB Percent	79%, 100%, 90%
CMY	0.2081, 0.0000, 0.1020
CMYK	0.21, 0.00, 0.10, 0.00
HSL	151°, 100%, 90%
HSV	151°, 21%, 100%
XYZ	74.2416, 89.7337, 87.5205
YIQ	236.1890, -23.2420, -19.3220

# Conversions

## Conversions Part 2

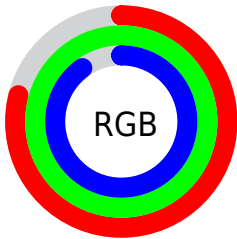
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 237, 255
Decimal	13303781
CIE Lab	95.89, -21.79, 6.95
CIE LCh	96, 22.874, 162.312
Yxy	89.7337, 0.2952, 0.3568
Android (android.graphics.Color)	4291493861 (0xFFCAFFE5)
YUV	236.1890, -3.5442, -29.9838
Hunter-Lab	94.7279, -25.8771, 11.5306

# Details

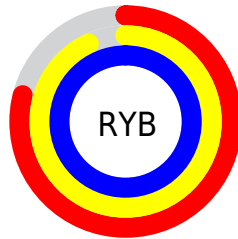
The Yxy color **89.7337, 0.2952, 0.3568** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.0627, 0.3347, 0.3028**, and the grayscale version is **84.0527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6472, 0.2909, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **85.7821, 0.2875, 0.3724**, and if you desaturate by 10%, it is **94.2993, 0.3035, 0.3426**.

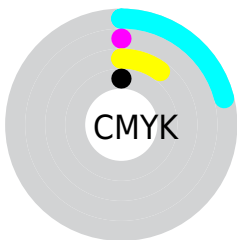
# Distribution



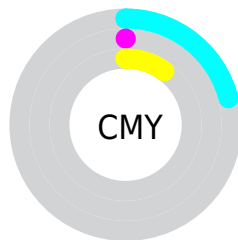
- Red (79%)
- Green (100%)
- Blue (90%)



- Red (79%)
- Yellow (93%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7337, 0.2952, 0.3568 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 89.7337, 0.2952, 0.3568 by changing the saturation by 10% instead.



 89.7337, 0.2952,  
0.3568

 89.7337, 0.2952,  
0.3568


527.1642, 0.3031,  
0.3441

 67.7598, 0.2934,  
0.3596


146.9684, 0.2979,  
0.3524

 49.7023, 0.2913,  
0.3631


182.9981, 0.2990,  
0.3507

 35.1769, 0.2885,  
0.3675


224.4817, 0.2999,  
0.3493

 23.7992, 0.2850,  
0.3732


271.8038, 0.3007,  
0.3480

 15.1847, 0.2803,  
0.3809

325.3487, 0.3014,  
0.3469

 8.9491, 0.2737,  
0.3917

385.5008, 0.3021,

 4.7080, 0.2637,

0.3459

0.4082

452.6445, 0.3026,  
0.3450

■ 2.0770, 0.2470,  
0.4363

■ 0.6516, 0.0908,  
0.6769

■ 89.7337, 0.2952,  
0.3568

■ 89.7337, 0.2952,  
0.3568

■ 85.7821, 0.2875,  
0.3724

■ 94.2993, 0.3035,  
0.3426

■ 82.4505, 0.2805,  
0.3894

■ 99.5426, 0.3120,  
0.3300

■ 79.6945, 0.2748,  
0.4075

■ 100.0000, 0.3127,  
0.3290

■ 77.4787, 0.2706,  
0.4266

■ 75.7634, 0.2682,  
0.4461

■ 74.5034, 0.2678,  
0.4655

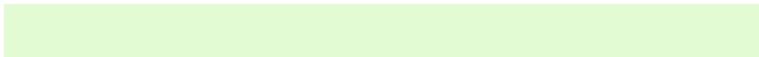
■ 73.6445, 0.2694,  
0.4843

■ 73.1316, 0.2724,  
0.5007

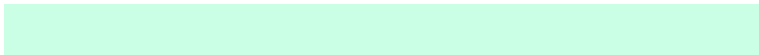
# Harmonies

## Analogous

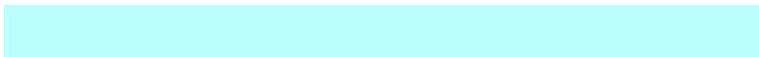
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7337, 0.3207, 0.3719



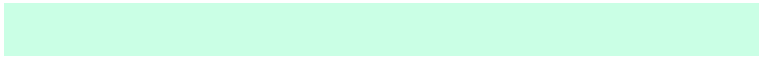
89.7337, 0.2952, 0.3568



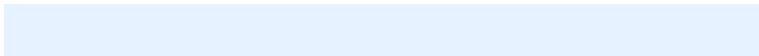
89.7337, 0.2750, 0.3336

# Triad

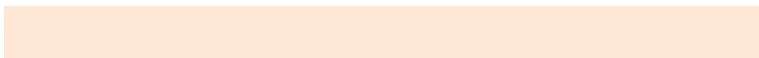
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7337, 0.2952, 0.3568



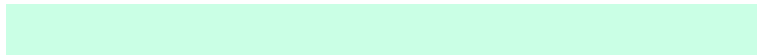
89.7337, 0.2805, 0.2863



89.7337, 0.3632, 0.3445

# Complementary

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



89.7337, 0.2952, 0.3568



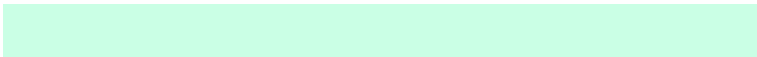
69.0627, 0.3347, 0.3028

# 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.



89.7337, 0.3516, 0.3229



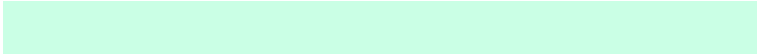
89.7337, 0.2952, 0.3568



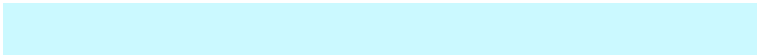
89.7337, 0.3031, 0.2902

# Square

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



89.7337, 0.2952, 0.3568



89.7337, 0.2668, 0.2932



89.7337, 0.3293, 0.3034

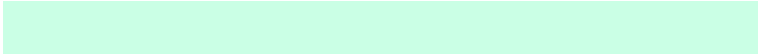


89.7337, 0.3605, 0.3634



# Rectangle

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



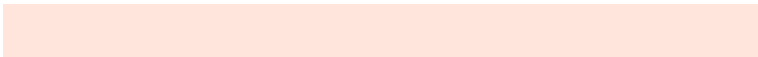
89.7337, 0.2952, 0.3568



89.7337, 0.2669, 0.3175



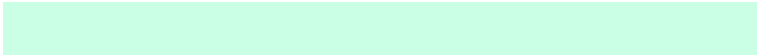
89.7337, 0.3293, 0.3034



89.7337, 0.3608, 0.3374

# Sweetspot

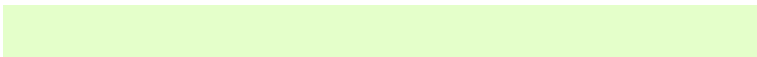
The Sweet Spot groups the original color and five complimentary colors.



89.7218, 0.2952, 0.3568



96.7391, 0.3076, 0.3364



92.3501, 0.3267, 0.3841



20.6333, 0.3070, 0.3372



0.0000, 0.0000, 0.0000

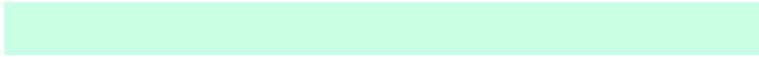


21.4041, 0.3127, 0.3290

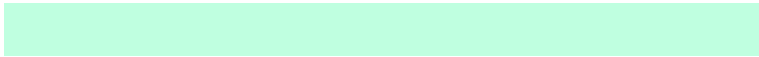


# Same Dimension

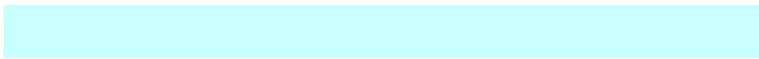
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7218, 0.2952, 0.3568



87.9970, 0.2919, 0.3631



91.2857, 0.2816, 0.3289



20.3227, 0.3046, 0.3409



38.2431, 0.2716, 0.4978



3.7457, 0.2659, 0.4773



# Inverse Universe

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



69.0627, 0.3347, 0.3028



63.9316, 0.3403, 0.2973



67.7251, 0.3547, 0.3291



18.1355, 0.3217, 0.3174



11.9125, 0.5006, 0.2531

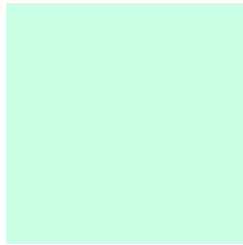


1.1819, 0.4746, 0.2388



# Previews

## White Background



This preview shows how the Yxy color 89.7337, 0.2952, 0.3568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

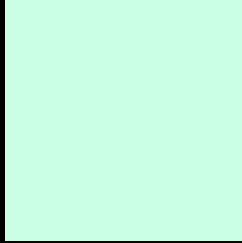
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.7337, 0.2952, 0.3568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

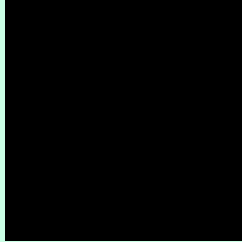
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

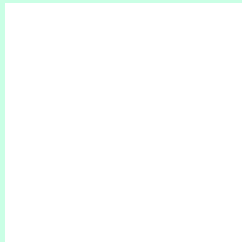
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.7337, 0.2952, 0.3568**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.7337, 0.2952, 0.3568.

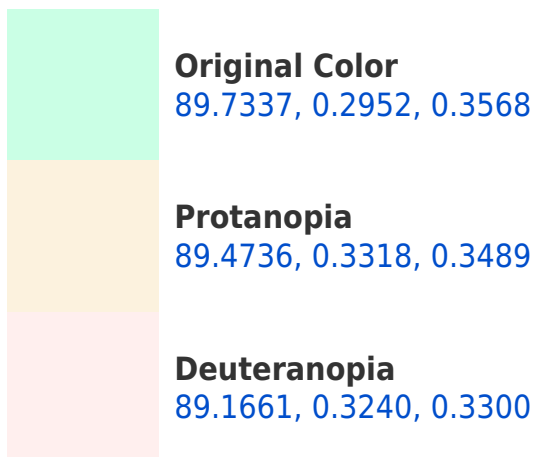


This preview shows how white text looks on a background with the Yxy color 89.7337, 0.2952, 0.3568.

# 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





## Tritanopia

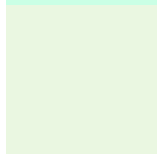
89.6255, 0.2963, 0.3199

# Trichromacy



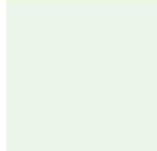
## Original Color

89.7337, 0.2952, 0.3568



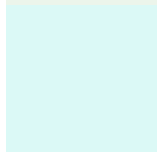
## Protanomaly

89.4502, 0.3174, 0.3515



## Deuteranomaly

89.1358, 0.3129, 0.3391



## Tritanomaly

89.4653, 0.2959, 0.3320

# Monochromacy



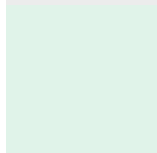
## Original Color

89.7337, 0.2952, 0.3568



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.8317, 0.3064, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.7337, 0.2952, 0.3568 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(202, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 229)  
}
```

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(202, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 89.7337, 0.2952, 0.3568 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(202, 255, 229) }
```

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

```
.border{ border-color:rgb(202, 255, 229) }
```

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

Here you see how a box with a 4 pixel rgb(202, 255, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.7337, 0.2952, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 229) }
```

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

```
.background{ background-color: rgb(202,  
255, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor