

# Converting Colors

$Yxy(68.4844, 0.2950, 0.3327)$

Have a look what the booklet for  
Yxy(68.4844, 0.2950, 0.3327)  
contains.

<b>Yxy(68.6420, 0.2953, 0.3336)</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(68.6420, 0.2953, 0.3336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1DEDA
RGB	193, 222, 218
RGB Percent	76%, 87%, 85%
CMY	0.2432, 0.1294, 0.1452
CMYK	0.13, 0.00, 0.02, 0.13
HSL	172°, 31%, 81%
HSV	172°, 13%, 87%
XYZ	60.7613, 68.6420, 76.3581
YIQ	212.8730, -16.0000, -7.3920

# Conversions

## Conversions Part 2

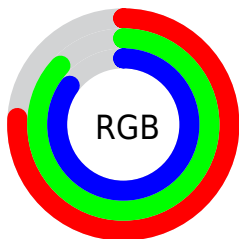
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 209, 222
Decimal	12705498
CIELab	86.33, -10.34, -1.26
CIELCh	86, 10.415, 186.974
Yxy	68.6420, 0.2953, 0.3336
Android (android.graphics.Color)	4290895578 (0xFFC1DEDA)
YUV	212.8730, 2.5276, -17.4286
Hunter-Lab	82.8505, -14.0790, 3.3515

# Details

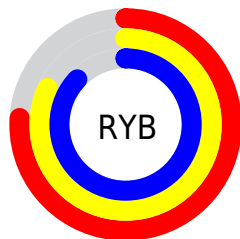
The Yxy color **68.6420, 0.2953, 0.3336** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.6943, 0.3333, 0.3245**, and the grayscale version is **66.4394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **35.7707, 0.2911, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **65.7830, 0.2828, 0.3375**, and if you desaturate by 10%, it is **71.9477, 0.3085, 0.3300**.

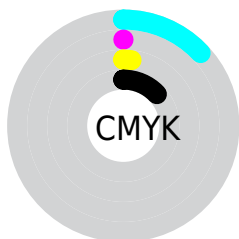
# Distribution



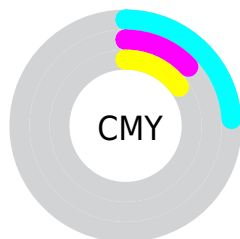
- Red (76%)
- Green (87%)
- Blue (85%)



- Red (76%)
- Yellow (82%)
- Blue (87%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)




- Cyan (24%)
- Magenta (13%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6420, 0.2953, 0.3336 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 68.6420, 0.2953, 0.3336 by changing the saturation by 10% instead.




 68.6420, 0.2953,  
0.3336

 68.6420, 0.2953,  
0.3336


455.7673, 0.3034,  
0.3315

 50.4202, 0.2934,  
0.3341


 117.2701, 0.2981,  
0.3329

 35.7474, 0.2911,  
0.3347


148.4452, 0.2992,  
0.3326

 24.2392, 0.2881,  
0.3354


184.7069, 0.3002,  
0.3323

 15.5111, 0.2842,  
0.3364

226.4395, 0.3010,  
0.3321

 9.1789, 0.2789,  
0.3377

274.0274, 0.3017,  
0.3319

 4.8581, 0.2710,  
0.3396

327.8551, 0.3024,

 2.1642, 0.2584,

0.3318

0.3426

388.3069, 0.3029,  
0.3316

0.7004, 0.2104,  
0.3565

0.0000, 0.0000,  
0.0000

68.6420, 0.2953,  
0.3336

68.6420, 0.2953,  
0.3336

65.7830, 0.2828,  
0.3375

71.9477, 0.3085,  
0.3300

63.3426, 0.2713,  
0.3417


75.7098, 0.3222,  
0.3268


61.3029, 0.2612,  
0.3462

79.0688, 0.3328,  
0.3238

59.6409, 0.2527,  
0.3508

79.2411, 0.3307,  
0.3208

 58.3318, 0.2459,  
0.3557


 79.4165, 0.3286,  
0.3177

 57.3474, 0.2410,  
0.3606


 79.5949, 0.3265,  
0.3147


 56.6554, 0.2382,  
0.3655

 79.7765, 0.3244,  
0.3117

 56.2166, 0.2371,  
0.3704

 79.9612, 0.3223,  
0.3087

 56.0170, 0.2372,  
0.3738

 80.1491, 0.3203,  
0.3057

# Harmonies

## Analogous

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



68.6420, 0.3063, 0.3442



68.6420, 0.2953, 0.3336



68.6420, 0.2890, 0.3219

# Triad

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



68.6420, 0.2953, 0.3336



68.6420, 0.3059, 0.3085



68.6420, 0.3372, 0.3451

# Complementary

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



68.6420, 0.2953, 0.3336



57.6943, 0.3333, 0.3245

# 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.



68.6420, 0.3371, 0.3353



68.6420, 0.2953, 0.3336



68.6420, 0.3188, 0.3145

# Square

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



68.6420, 0.2953, 0.3336



68.6420, 0.2949, 0.3077



68.6420, 0.3303, 0.3242



68.6420, 0.3306, 0.3508



# Rectangle

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



68.6420, 0.2953, 0.3336



68.6420, 0.2881, 0.3152



68.6420, 0.3303, 0.3242



68.6420, 0.3379, 0.3422

# Sweetspot

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



68.6449, 0.2953, 0.3336



98.0255, 0.3073, 0.3304



68.0143, 0.3142, 0.3631



20.9044, 0.3062, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

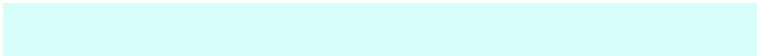


# Same Dimension

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



68.6449, 0.2953, 0.3336



92.7061, 0.2914, 0.3348



63.6219, 0.2925, 0.3171



15.5378, 0.3000, 0.3323



33.2810, 0.2370, 0.3731



2.3160, 0.2349, 0.3655



# Inverse Universe

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



57.6943, 0.3333, 0.3245



74.6151, 0.3391, 0.3234



62.1594, 0.3350, 0.3406



13.7314, 0.3270, 0.3258



9.2922, 0.6210, 0.3195

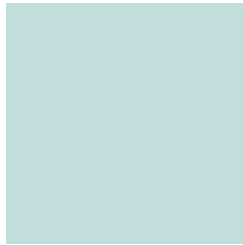


0.6541, 0.5848, 0.2995



# Previews

## White Background



This preview shows how the Yxy color 68.6420, 0.2953, 0.3336 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

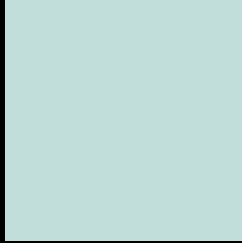
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6420, 0.2953, 0.3336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

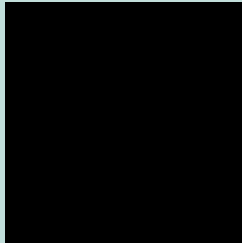
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

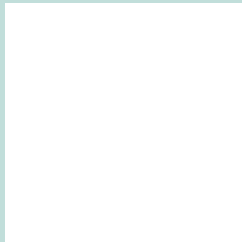
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.6420, 0.2953, 0.3336**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6420, 0.2953, 0.3336.

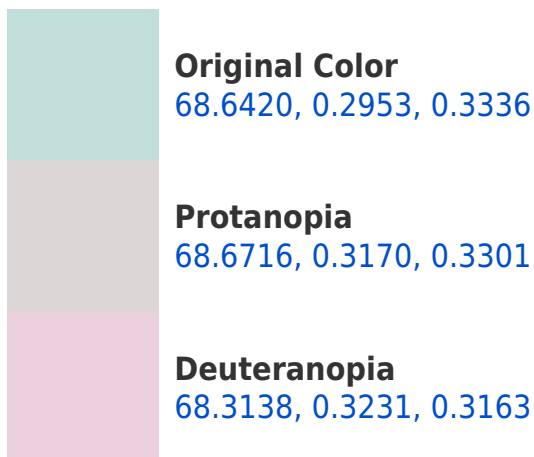


This preview shows how white text looks on a background with the Yxy color 68.6420, 0.2953, 0.3336.

# 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

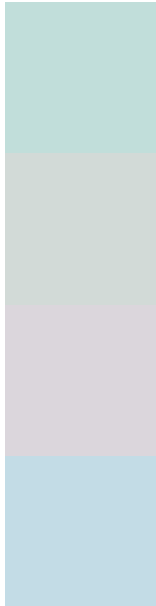




## Tritanopia

68.5132, 0.2856, 0.3088

# Trichromacy



## Original Color

68.6420, 0.2953, 0.3336

## Protanomaly

68.7507, 0.3090, 0.3324

## Deuteranomaly

68.3205, 0.3123, 0.3224

## Tritanomaly

68.5017, 0.2892, 0.3176

# Monochromacy



## Original Color

68.6420, 0.2953, 0.3336

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.1398, 0.3062, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6420, 0.2953, 0.3336 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(193, 222, 218)` looks like.

```
.text, #text, p{  
    color:rgb(193, 222, 218)  
}
```

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(193, 222, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 222, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6420, 0.2953, 0.3336 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(193, 222, 218) }
```

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

```
.border{ border-color:rgb(193, 222, 218) }
```

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

Here you see how a box with a 4 pixel rgb(193, 222, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 222, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 222, 218);  
box-shadow:4px 4px 4px 4px rgb(193, 222,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6420, 0.2953, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 222, 218) }
```

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

```
.background{ background-color: rgb(193,  
222, 218) }
```

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