

# Converting Colors

$Yxy(68.1392, 0.2901, 0.3386)$

Have a look what the booklet for  
Yxy(68.1392, 0.2901, 0.3386)  
contains.

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# Color

**Yxy(68.3365, 0.2900, 0.3383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7E0D8
RGB	183, 224, 216
RGB Percent	72%, 88%, 85%
CMY	0.2824, 0.1216, 0.1528
CMYK	0.18, 0.00, 0.04, 0.12
HSL	168°, 40%, 80%
HSV	168°, 18%, 88%
XYZ	58.5799, 68.3365, 75.0833
YIQ	210.8290, -21.8680, -11.1800

# Conversions

## Conversions Part 2

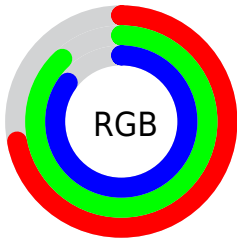
Format	Color
<a href="#">RYB</a>	<a href="#">183, 206, 224</a>
Decimal	<a href="#">12050648</a>
CIELab	<a href="#">86.17, -14.90, -0.53</a>
CIELCh	<a href="#">86, 14.909, 182.046</a>
Yxy	<a href="#">68.3365, 0.2900, 0.3383</a>
Android (android.graphics.Color)	<a href="#">4290240728 (0xFFB7E0D8)</a>
YUV	<a href="#">210.8290, 2.5493, -24.4060</a>
Hunter-Lab	<a href="#">82.6659, -18.1740, 4.0146</a>

# Details

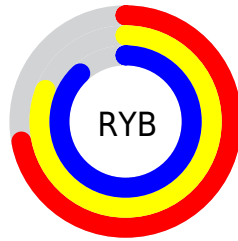
The Yxy color **68.3365, 0.2900, 0.3383** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.4737, 0.3415, 0.3199**, and the grayscale version is **65.0181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **35.6163, 0.2845, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **65.5851, 0.2786, 0.3441**, and if you desaturate by 10%, it is **71.5367, 0.3022, 0.3330**.

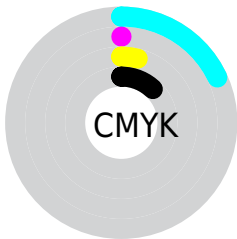
# Distribution



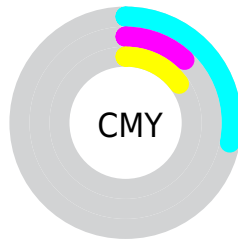
- Red (72%)
- Green (88%)
- Blue (85%)



- Red (72%)
- Yellow (81%)
- Blue (88%)



- Cyan (18%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)




- Cyan (28%)
- Magenta (12%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3365, 0.2900, 0.3383 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 68.3365, 0.2900, 0.3383 by changing the saturation by 10% instead.



 68.3365, 0.2900,  
0.3383

 68.3365, 0.2900,  
0.3383

454.6873, 0.3006,  
0.3340

 50.1715, 0.2875,  
0.3393

 116.8334, 0.2937,  
0.3368

 35.5497, 0.2845,  
0.3405


147.9341, 0.2951,  
0.3362

 24.0866, 0.2806,  
0.3421


184.1156, 0.2964,  
0.3357

 15.3979, 0.2755,  
0.3441

225.7621, 0.2974,  
0.3353

 9.0991, 0.2685,  
0.3470

273.2582, 0.2984,  
0.3349

 4.8059, 0.2582,  
0.3511

326.9881, 0.2992,

 2.1338, 0.2417,

0.3346

0.3576

387.3364, 0.3000,  
0.3343

0.6835, 0.1633,  
0.3904

0.0000, 0.0000,  
0.0000

68.3365, 0.2900,  
0.3383

68.3365, 0.2900,  
0.3383

65.5851, 0.2786,  
0.3441

71.5367, 0.3022,  
0.3330

63.2533, 0.2684,  
0.3502


75.1964, 0.3149,  
0.3282


61.3216, 0.2595,  
0.3568


79.3367, 0.3279,  
0.3239


59.7656, 0.2523,  
0.3636


80.4831, 0.3284,  
0.3197

 58.5581, 0.2470,  
0.3706


 80.7360, 0.3254,  
0.3154


 57.6683, 0.2436,  
0.3778


 80.9951, 0.3225,  
0.3112


 57.0599, 0.2421,  
0.3849

 81.2605, 0.3196,  
0.3070

 56.6803, 0.2424,  
0.3919

 81.5321, 0.3168,  
0.3028

 56.6255, 0.2425,  
0.3931

 81.7935, 0.3141,  
0.2989

# Harmonies

## Analogous

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



68.3365, 0.3064, 0.3531



68.3365, 0.2900, 0.3383



68.3365, 0.2798, 0.3212

# Triad

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



68.3365, 0.2900, 0.3383



68.3365, 0.2999, 0.2991



68.3365, 0.3485, 0.3498

# Complementary

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



68.3365, 0.2900, 0.3383



53.4737, 0.3415, 0.3199

# 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.



68.3365, 0.3468, 0.3352



68.3365, 0.2900, 0.3383



68.3365, 0.3183, 0.3066

# Square

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



68.3365, 0.2900, 0.3383



68.3365, 0.2853, 0.2991



68.3365, 0.3356, 0.3196



68.3365, 0.3404, 0.3594



# Rectangle

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



68.3365, 0.2900, 0.3383



68.3365, 0.2776, 0.3111



68.3365, 0.3356, 0.3196



68.3365, 0.3491, 0.3453

# Sweetspot

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



68.3393, 0.2900, 0.3383



97.5027, 0.3063, 0.3314



67.8342, 0.3161, 0.3780



20.7972, 0.3054, 0.3317



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

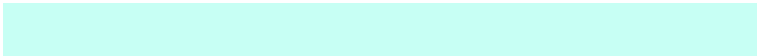


# Same Dimension

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



68.3393, 0.2900, 0.3383



90.1851, 0.2855, 0.3405



62.3867, 0.2845, 0.3144



15.5242, 0.3008, 0.3336



32.9753, 0.2422, 0.3920



2.2975, 0.2392, 0.3811



# Inverse Universe

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



53.4737, 0.3415, 0.3199



66.7049, 0.3491, 0.3179



58.4307, 0.3457, 0.3432



13.7439, 0.3262, 0.3245



9.3412, 0.6081, 0.3124

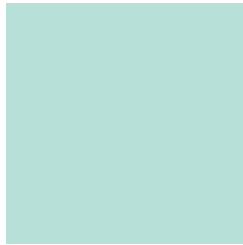


0.6600, 0.5661, 0.2892



# Previews

## White Background



This preview shows how the Yxy color 68.3365, 0.2900, 0.3383 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

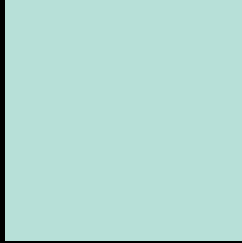
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.3365, 0.2900, 0.3383 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

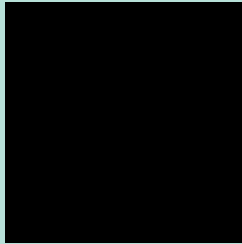
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

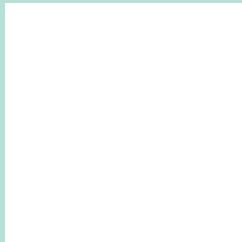
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.3365, 0.2900, 0.3383**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.3365, 0.2900, 0.3383.

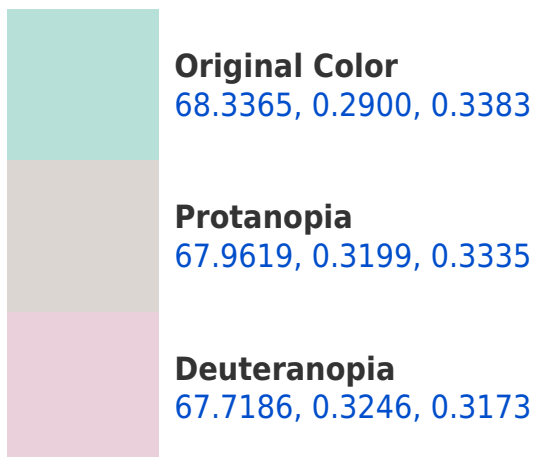


This preview shows how white text looks on a background with the Yxy color 68.3365, 0.2900, 0.3383.

# 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

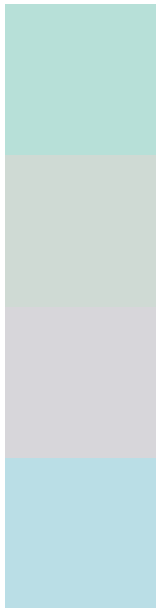




## Tritanopia

68.4507, 0.2795, 0.3096

# Trichromacy



## Original Color

68.3365, 0.2900, 0.3383

## Protanomaly

68.1617, 0.3088, 0.3358

## Deuteranomaly

67.6022, 0.3107, 0.3246

## Tritanomaly

68.3948, 0.2835, 0.3197

# Monochromacy



## Original Color

68.3365, 0.2900, 0.3383

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

66.3333, 0.3040, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3365, 0.2900, 0.3383 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(183, 224, 216)` looks like.

```
.text, #text, p{  
    color:rgb(183, 224, 216)  
}
```

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(183, 224, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 224, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3365, 0.2900, 0.3383 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(183, 224, 216) }
```

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

```
.border{ border-color:rgb(183, 224, 216) }
```

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

Here you see how a box with a 4 pixel rgb(183, 224, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 224, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 224, 216);  
box-shadow:4px 4px 4px 4px rgb(183, 224,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3365, 0.2900, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 224, 216) }
```

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

```
.background{ background-color: rgb(183,  
224, 216) }
```

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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