

# Converting Colors

$Yxy(68.6604, 0.2973, 0.3480)$

Have a look what the booklet for  
Yxy(68.6604, 0.2973, 0.3480)  
contains.

<b>Yxy(68.4302, 0.2975, 0.3478)</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(68.4302, 0.2975, 0.3478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE0D0
RGB	187, 224, 208
RGB Percent	73%, 88%, 82%
CMY	0.2666, 0.1215, 0.1844
CMYK	0.17, 0.00, 0.07, 0.12
HSL	154°, 37%, 81%
HSV	154°, 17%, 88%
XYZ	58.5336, 68.4302, 69.7878
YIQ	211.1130, -16.9160, -12.8200

# Conversions

## Conversions Part 2

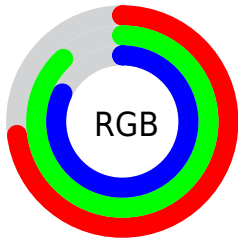
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 211, 224
Decimal	12312784
CIELab	86.22, -15.21, 3.80
CIElCh	86, 15.682, 165.962
Yxy	68.4302, 0.2975, 0.3478
Android (android.graphics.Color)	4290502864 (0xFFBBE0D0)
YUV	211.1130, -1.5347, -21.1471
Hunter-Lab	82.7225, -18.4598, 7.8866

# Details

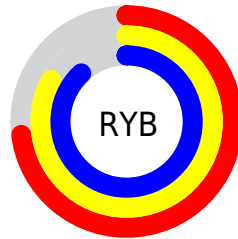
The Yxy color **68.4302, 0.2975, 0.3478** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.7043, 0.3310, 0.3109**, and the grayscale version is **65.2402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **35.6956, 0.2932, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **65.3617, 0.2888, 0.3608**, and if you desaturate by 10%, it is **71.9743, 0.3066, 0.3360**.

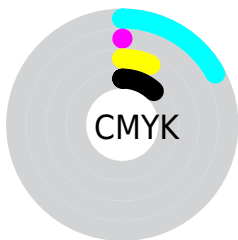
# Distribution



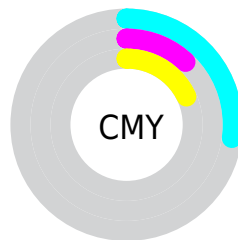
- Red (73%)
- Green (88%)
- Blue (82%)



- Red (73%)
- Yellow (83%)
- Blue (88%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)




- Cyan (27%)
- Magenta (12%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4302, 0.2975, 0.3478 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 68.4302, 0.2975, 0.3478 by changing the saturation by 10% instead.




 68.4302, 0.2975,  
0.3478

 68.4302, 0.2975,  
0.3478


455.0187, 0.3047,  
0.3389

 50.2478, 0.2958,  
0.3499


 116.9674, 0.3000,  
0.3447

 35.6103, 0.2937,  
0.3525


148.0909, 0.3010,  
0.3435

 24.1334, 0.2911,  
0.3559


184.2970, 0.3018,  
0.3424

 15.4326, 0.2875,  
0.3604

225.9699, 0.3025,  
0.3415

 9.1236, 0.2825,  
0.3667

273.4942, 0.3032,  
0.3407

 4.8219, 0.2752,  
0.3762

327.2542, 0.3037,

 2.1431, 0.2630,

0.3401

0.3920

387.6342, 0.3042,  
0.3394

0.6887, 0.1945,  
0.4731

0.0000, 0.0000,  
0.0000

68.4302, 0.2975,  
0.3478

68.4302, 0.2975,  
0.3478

65.3617, 0.2888,  
0.3608

71.9743, 0.3066,  
0.3360

62.7394, 0.2809,  
0.3751

76.0049, 0.3160,  
0.3255

60.5435, 0.2741,  
0.3904

80.5433, 0.3254,  
0.3161

58.7496, 0.2686,  
0.4066

81.2760, 0.3195,  
0.3067

■ 57.3305, 0.2649,  
0.4234

■ 81.7941, 0.3141,  
0.2989

■ 56.2557, 0.2631,  
0.4405

■ 55.4895, 0.2633,  
0.4574

■ 54.9869, 0.2655,  
0.4738

■ 54.8470, 0.2665,  
0.4794

# Harmonies

## Analogous

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



68.4302, 0.3165, 0.3599



68.4302, 0.2975, 0.3478



68.4302, 0.2829, 0.3304

# Triad

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



68.4302, 0.2975, 0.3478



68.4302, 0.2903, 0.2966



68.4302, 0.3508, 0.3430

# Complementary

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



68.4302, 0.2975, 0.3478



55.7043, 0.3310, 0.3109

# 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.



68.4302, 0.3433, 0.3266



68.4302, 0.2975, 0.3478



68.4302, 0.3080, 0.3004

# Square

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



68.4302, 0.2975, 0.3478



68.4302, 0.2788, 0.3010



68.4302, 0.3275, 0.3112



68.4302, 0.3476, 0.3564



# Rectangle

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



68.4302, 0.2975, 0.3478



68.4302, 0.2773, 0.3185



68.4302, 0.3275, 0.3112



68.4302, 0.3494, 0.3376

# Sweetspot

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



68.4331, 0.2975, 0.3478



97.3110, 0.3080, 0.3344



69.6042, 0.3220, 0.3719



20.7506, 0.3074, 0.3352



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

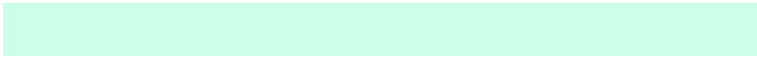


# Same Dimension

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



68.4331, 0.2975, 0.3478



90.2359, 0.2943, 0.3524



67.9455, 0.2877, 0.3261



15.4668, 0.3039, 0.3393



31.9467, 0.2658, 0.4770



2.2322, 0.2588, 0.4518



# Inverse Universe

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



55.7043, 0.3310, 0.3109



69.9412, 0.3359, 0.3068



56.0351, 0.3436, 0.3319



13.7986, 0.3224, 0.3189



9.7486, 0.5234, 0.2657

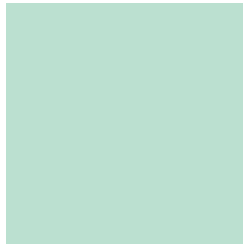


0.6934, 0.4845, 0.2443



# Previews

## White Background



This preview shows how the Yxy color 68.4302, 0.2975, 0.3478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

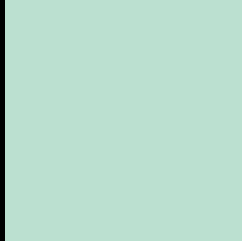
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.4302, 0.2975, 0.3478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

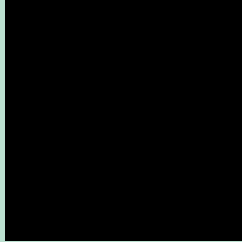
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

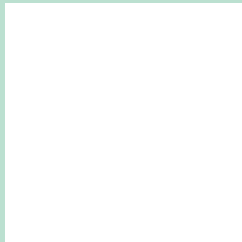
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.4302, 0.2975, 0.3478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4302, 0.2975, 0.3478.

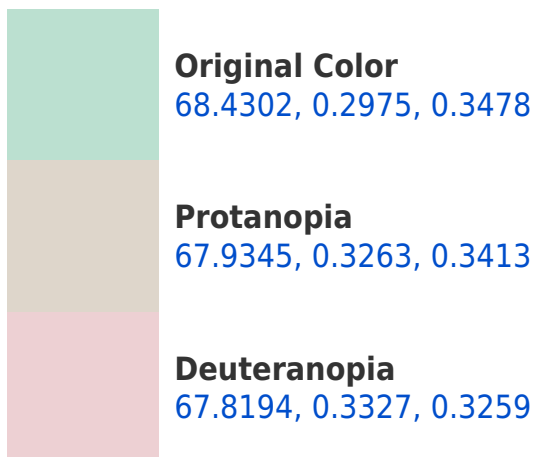


This preview shows how white text looks on a background with the Yxy color 68.4302, 0.2975, 0.3478.

# 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

68.5073, 0.2831, 0.3098

# Trichromacy



## Original Color

68.4302, 0.2975, 0.3478

## Protanomaly

68.1059, 0.3149, 0.3438

## Deuteranomaly

67.8063, 0.3191, 0.3335

## Tritanomaly

68.1510, 0.2884, 0.3232

# Monochromacy



## Original Color

68.4302, 0.2975, 0.3478

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

66.3214, 0.3066, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4302, 0.2975, 0.3478 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(187, 224, 208)` looks like.

```
.text, #text, p{  
    color:rgb(187, 224, 208)  
}
```

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(187, 224, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 224, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4302, 0.2975, 0.3478 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(187, 224, 208) }
```

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

```
.border{ border-color:rgb(187, 224, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 224, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 224, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 224, 208);  
box-shadow:4px 4px 4px 4px rgb(187, 224,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4302, 0.2975, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 224, 208) }
```

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

```
.background{ background-color: rgb(187,  
224, 208) }
```

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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