

# Converting Colors

$Yxy(68.8111, 0.2905, 0.3489)$

Have a look what the booklet for  
Yxy(68.8111, 0.2905, 0.3489)  
contains.

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# Color

**Yxy(69.0563, 0.2905, 0.3491)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E3D2
RGB	178, 227, 210
RGB Percent	70%, 89%, 82%
CMY	0.3020, 0.1098, 0.1764
CMYK	0.22, 0.00, 0.07, 0.11
HSL	159°, 47%, 79%
HSV	159°, 22%, 89%
XYZ	57.4645, 69.0563, 71.2916
YIQ	210.4110, -23.7470, -15.6750

# Conversions

## Conversions Part 2

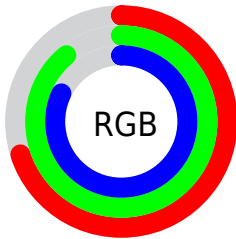
Format	Color
<a href="#">RYB</a>	<a href="#">178, 208, 227</a>
Decimal	<a href="#">11723730</a>
CIELab	<a href="#">86.53, -19.16, 3.11</a>
CIElCh	<a href="#">87, 19.410, 170.780</a>
Yxy	<a href="#">69.0563, 0.2905, 0.3491</a>
Android (android.graphics.Color)	<a href="#">4289913810 (0xFFB2E3D2)</a>
YUV	<a href="#">210.4110, -0.2026, -28.4244</a>
Hunter-Lab	<a href="#">83.1001, -21.9908, 7.3052</a>

# Details

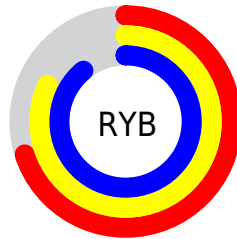
The Yxy color **69.0563, 0.2905, 0.3491** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.1110, 0.3415, 0.3098**, and the grayscale version is **64.7486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **36.1904, 0.2845, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **66.2100, 0.2812, 0.3599**, and if you desaturate by 10%, it is **72.3719, 0.3005, 0.3392**.

# Distribution



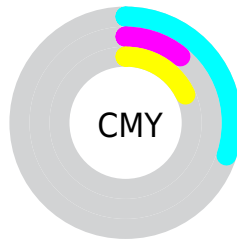
- Red (70%)
- Green (89%)
- Blue (82%)



- Red (70%)
- Yellow (82%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)




- Cyan (30%)
- Magenta (11%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0563, 0.2905, 0.3491 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 69.0563, 0.2905, 0.3491 by changing the saturation by 10% instead.




 69.0563, 0.2905,  
0.3491

 69.0563, 0.2905,  
0.3491


457.2295, 0.3009,  
0.3396

 50.7576, 0.2881,  
0.3513


 117.8620, 0.2942,  
0.3458

 36.0157, 0.2851,  
0.3541


149.1377, 0.2956,  
0.3445

 24.4463, 0.2812,  
0.3577


185.5079, 0.2968,  
0.3434

 15.6650, 0.2761,  
0.3624

227.3570, 0.2978,  
0.3424

 9.2874, 0.2691,  
0.3691

275.0692, 0.2987,  
0.3416

 4.9291, 0.2587,  
0.3790

329.0292, 0.2996,


 2.2057, 0.2418,

0.3408

0.3954


389.6211, 0.3003,  
0.3402


 0.7231, 0.1452,  
0.4780


 0.0000, 0.0000,  
0.0000


 69.0563, 0.2905,  
0.3491


 69.0563, 0.2905,  
0.3491


 66.2100, 0.2812,  
0.3599


 72.3719, 0.3005,  
0.3392


 63.8023, 0.2728,  
0.3716


 76.1688, 0.3110,  
0.3303

 61.8121, 0.2658,  
0.3840

 80.4692, 0.3217,  
0.3224

 60.2131, 0.2605,  
0.3969


 82.5792, 0.3227,  
0.3148

 58.9758, 0.2570,  
0.4103

 83.0605, 0.3176,  
0.3073

 58.0667, 0.2555,  
0.4238

 83.4196, 0.3140,  
0.3019

 57.4453, 0.2561,  
0.4371

 57.0896, 0.2578,  
0.4481

# Harmonies

## Analogous

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



69.0563, 0.3133, 0.3657



69.0563, 0.2905, 0.3491



69.0563, 0.2740, 0.3269

# Triad

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



69.0563, 0.2905, 0.3491



69.0563, 0.2881, 0.2894



69.0563, 0.3601, 0.3489

# Complementary

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



69.0563, 0.2905, 0.3491



52.1110, 0.3415, 0.3098

# 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.



69.0563, 0.3529, 0.3291



69.0563, 0.2905, 0.3491



69.0563, 0.3107, 0.2956

# Square

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



69.0563, 0.2905, 0.3491



69.0563, 0.2726, 0.2930



69.0563, 0.3345, 0.3099



69.0563, 0.3539, 0.3646



# Rectangle

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



69.0563, 0.2905, 0.3491



69.0563, 0.2684, 0.3126



69.0563, 0.3345, 0.3099



69.0563, 0.3591, 0.3425

# Sweetspot

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



69.0592, 0.2905, 0.3491



96.8762, 0.3063, 0.3342



69.7761, 0.3219, 0.3869



20.6658, 0.3056, 0.3348



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

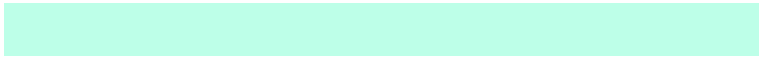


# Same Dimension

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



69.0592, 0.2905, 0.3491



88.1287, 0.2861, 0.3539



66.0152, 0.2801, 0.3203



16.2471, 0.3027, 0.3373



33.3168, 0.2573, 0.4462



2.4793, 0.2519, 0.4269



# Inverse Universe

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



52.1110, 0.3415, 0.3098



62.2628, 0.3494, 0.3055



54.3904, 0.3546, 0.3375



14.4500, 0.3238, 0.3209



9.8701, 0.5585, 0.2850

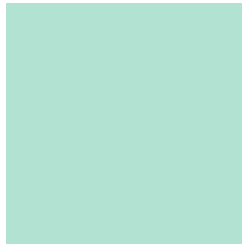


0.7464, 0.5177, 0.2626



# Previews

## White Background



This preview shows how the Yxy color 69.0563, 0.2905, 0.3491 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

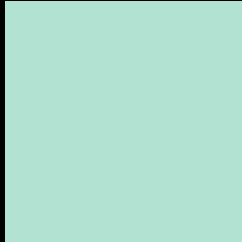
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0563, 0.2905, 0.3491 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

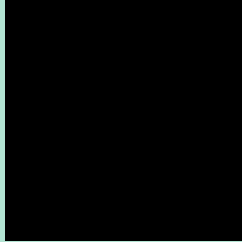
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

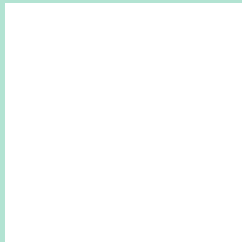
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.0563, 0.2905, 0.3491**

## Background



This preview shows how black text looks on a background with the Yxy color 69.0563, 0.2905, 0.3491.

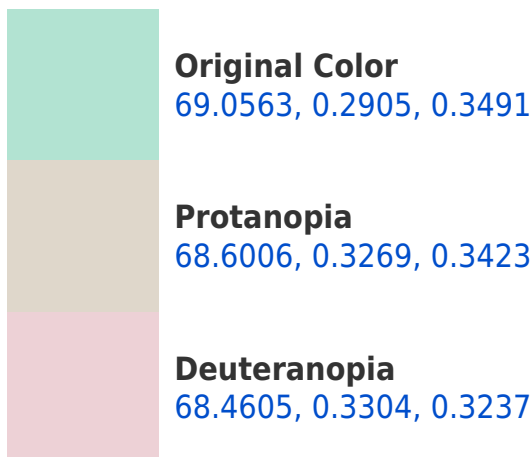


This preview shows how white text looks on a background with the Yxy color 69.0563, 0.2905, 0.3491.

# 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

69.2570, 0.2767, 0.3096

# Trichromacy



## Original Color

69.0563, 0.2905, 0.3491

## Protanomaly

68.3847, 0.3127, 0.3438

## Deuteranomaly

68.5148, 0.3147, 0.3323

## Tritanomaly

68.9135, 0.2818, 0.3231

# Monochromacy



## Original Color

69.0563, 0.2905, 0.3491

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.7706, 0.3038, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0563, 0.2905, 0.3491 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(178, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(178, 227, 210)  
}
```

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(178, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 227, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0563, 0.2905, 0.3491 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(178, 227, 210) }
```

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

```
.border{ border-color:rgb(178, 227, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 227, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(178, 227,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0563, 0.2905, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 227, 210) }
```

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

```
.background{ background-color: rgb(178,  
227, 210) }
```

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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