

# Converting Colors

$Yxy(70.8627, 0.2889, 0.3490)$

Have a look what the booklet for  
Yxy(70.8627, 0.2889, 0.3490)  
contains.

<b>Yxy(70.8627, 0.2889, 0.3490)</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(70.8627, 0.2889, 0.3490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E6D5
RGB	178, 230, 213
RGB Percent	70%, 90%, 84%
CMY	0.3021, 0.0980, 0.1648
CMYK	0.23, 0.00, 0.07, 0.10
HSL	160°, 51%, 80%
HSV	160°, 23%, 90%
XYZ	58.6597, 70.8627, 73.5226
YIQ	212.5140, -25.5350, -16.3110

# Conversions

## Conversions Part 2

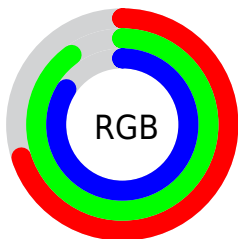
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 209, 230
Decimal	11724501
CIELab	87.42, -20.07, 2.85
CIELCh	87, 20.269, 171.931
Yxy	70.8627, 0.2889, 0.3490
Android (android.graphics.Color)	4289914581 (0xFFB2E6D5)
YUV	212.5140, 0.2396, -30.2688
Hunter-Lab	84.1800, -22.9296, 7.1423

# Details

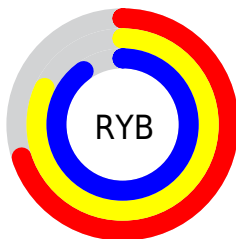
The Yxy color **70.8627, 0.2889, 0.3490** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.5948, 0.3441, 0.3099**, and the grayscale version is **66.2065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **37.0258, 0.2832, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **67.9962, 0.2794, 0.3593**, and if you desaturate by 10%, it is **74.2090, 0.2991, 0.3396**.

# Distribution



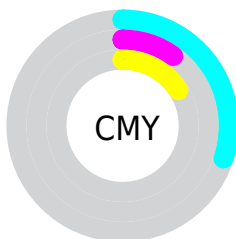
- Red (70%)
- Green (90%)
- Blue (84%)



- Red (70%)
- Yellow (82%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)




- Cyan (30%)
- Magenta (10%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8627, 0.2889, 0.3490 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 70.8627, 0.2889, 0.3490 by changing the saturation by 10% instead.





 70.8627, 0.2889,  
0.3490

 70.8627, 0.2889,  
0.3490


463.5733, 0.3000,  
0.3396

 52.2302, 0.2863,  
0.3512

 120.4382, 0.2928,  
0.3457

 37.1886, 0.2831,  
0.3539

152.1500, 0.2943,  
0.3444

 25.3535, 0.2791,  
0.3574


188.9902, 0.2956,  
0.3433

 16.3406, 0.2737,  
0.3620

231.3434, 0.2967,  
0.3424

 9.7655, 0.2664,  
0.3685

279.5939, 0.2977,  
0.3416

 5.2438, 0.2556,  
0.3780

334.1262, 0.2986,

 2.3910, 0.2385,

0.3408

395.3245, 0.2993,  
0.3402

0.3935

0.8212, 0.1608,  
0.4544

0.0000, 0.0000,  
0.0000

70.8627, 0.2889,  
0.3490

70.8627, 0.2889,  
0.3490

67.9962, 0.2794,  
0.3593

74.2090, 0.2991,  
0.3396

65.5777, 0.2710,  
0.3703


78.0476, 0.3099,  
0.3311

63.5851, 0.2640,  
0.3821


82.4015, 0.3208,  
0.3235


61.9912, 0.2587,  
0.3943

84.3377, 0.3215,  
0.3162


 60.7651, 0.2553,  
0.4069

 84.8021, 0.3166,  
0.3090

 59.8715, 0.2539,  
0.4196

 85.0810, 0.3138,  
0.3049

 59.2678, 0.2545,  
0.4321

 58.9585, 0.2559,  
0.4412

# Harmonies

## Analogous

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



70.8627, 0.3124, 0.3666



70.8627, 0.2889, 0.3490



70.8627, 0.2722, 0.3259

# Triad

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



70.8627, 0.2889, 0.3490



70.8627, 0.2881, 0.2881



70.8627, 0.3618, 0.3503

# Complementary

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



70.8627, 0.2889, 0.3490



52.5948, 0.3441, 0.3099

# 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.



70.8627, 0.3549, 0.3298



70.8627, 0.2889, 0.3490



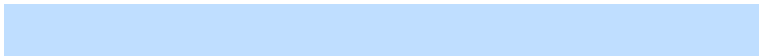
70.8627, 0.3115, 0.2949

# Square

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



70.8627, 0.2889, 0.3490



70.8627, 0.2717, 0.2914



70.8627, 0.3362, 0.3099



70.8627, 0.3549, 0.3663



# Rectangle

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



70.8627, 0.2889, 0.3490



70.8627, 0.2668, 0.3112



70.8627, 0.3362, 0.3099



70.8627, 0.3610, 0.3437

# Sweetspot

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



70.8656, 0.2889, 0.3490



96.3998, 0.3051, 0.3347



71.4587, 0.3217, 0.3901



20.5703, 0.3044, 0.3353



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

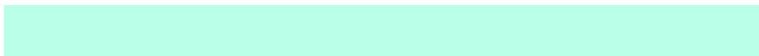


# Same Dimension

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



70.8656, 0.2889, 0.3490



87.8306, 0.2845, 0.3535



67.0679, 0.2785, 0.3188



16.2520, 0.3025, 0.3368



33.3981, 0.2554, 0.4393



2.4849, 0.2503, 0.4211



# Inverse Universe

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



52.5948, 0.3441, 0.3099



61.0289, 0.3523, 0.3059



55.4285, 0.3569, 0.3390



14.4454, 0.3241, 0.3213



9.8340, 0.5657, 0.2890

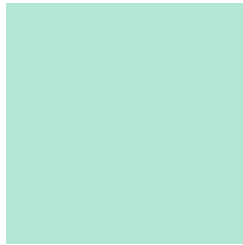


0.7433, 0.5245, 0.2663



# Previews

## White Background



This preview shows how the Yxy color 70.8627, 0.2889, 0.3490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

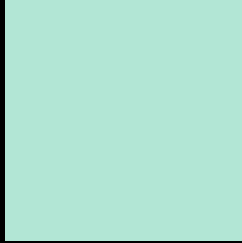
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.8627, 0.2889, 0.3490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

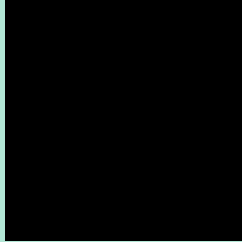
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

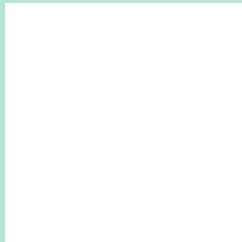
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.8627, 0.2889, 0.3490**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.8627, 0.2889, 0.3490.

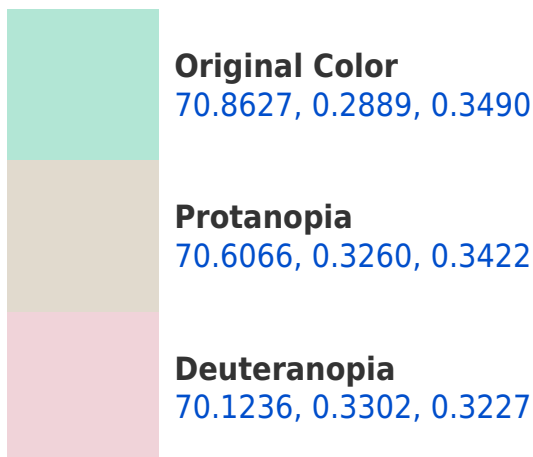


This preview shows how white text looks on a background with the Yxy color 70.8627, 0.2889, 0.3490.

# 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

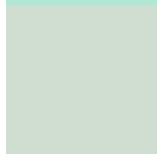
70.5724, 0.2746, 0.3075

# Trichromacy



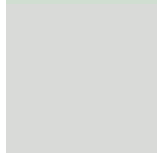
## Original Color

70.8627, 0.2889, 0.3490



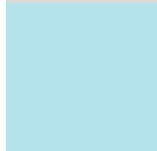
## Protanomaly

70.2559, 0.3113, 0.3437



## Deuteranomaly

69.8524, 0.3133, 0.3312



## Tritanomaly

70.7664, 0.2797, 0.3220

# Monochromacy



## Original Color

70.8627, 0.2889, 0.3490



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

67.7465, 0.3032, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.8627, 0.2889, 0.3490 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, 230, 213)` looks like.

```
.text, #text, p{  
    color:rgb(178, 230, 213)  
}
```

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, 230, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 70.8627, 0.2889, 0.3490 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, 230, 213) }
```

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

```
.border{ border-color:rgb(178, 230, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 230, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 230, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 230, 213);  
box-shadow:4px 4px 4px 4px rgb(178, 230,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.8627, 0.2889, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 230, 213) }
```

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

```
.background{ background-color: rgb(178,  
230, 213) }
```

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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