

# Converting Colors

$Yxy(70.7043, 0.2917, 0.3430)$

Have a look what the booklet for  
Yxy(70.7043, 0.2917, 0.3430)  
contains.

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# Color

**Yxy(70.7590, 0.2915, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9E4D8
RGB	185, 228, 216
RGB Percent	73%, 89%, 85%
CMY	0.2743, 0.1059, 0.1530
CMYK	0.19, 0.00, 0.05, 0.11
HSL	163°, 44%, 81%
HSV	163°, 19%, 89%
XYZ	60.1524, 70.7590, 75.4432
YIQ	213.7750, -21.7760, -12.8480

# Conversions

## Conversions Part 2

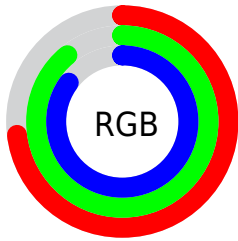
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 210, 228
Decimal	12182744
CIELab	87.37, -16.27, 1.24
CIELCh	87, 16.317, 175.630
Yxy	70.7590, 0.2915, 0.3429
Android (android.graphics.Color)	4290372824 (0xFFB9E4D8)
YUV	213.7750, 1.0969, -25.2357
Hunter-Lab	84.1184, -19.5632, 5.7074

# Details

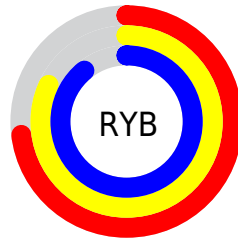
The Yxy color **70.7590, 0.2915, 0.3429** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.2451, 0.3395, 0.3156**, and the grayscale version is **67.0961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **37.2856, 0.2864, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **67.8257, 0.2812, 0.3513**, and if you desaturate by 10%, it is **74.1657, 0.3026, 0.3352**.

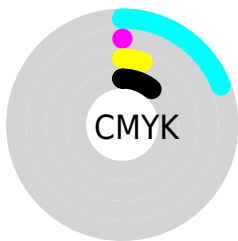
# Distribution



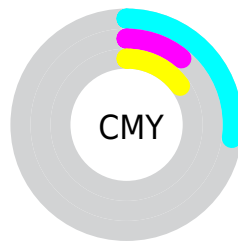
- Red (73%)
- Green (89%)
- Blue (85%)



- Red (73%)
- Yellow (82%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)




- Cyan (27%)
- Magenta (11%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7590, 0.2915, 0.3429 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 70.7590, 0.2915, 0.3429 by changing the saturation by 10% instead.





 70.7590, 0.2915,  
0.3429

 70.7590, 0.2915,  
0.3429


463.2105, 0.3014,  
0.3364

 52.1455, 0.2892,  
0.3444


 120.2905, 0.2949,  
0.3406

 37.1211, 0.2864,  
0.3463


151.9773, 0.2963,  
0.3398

 25.3013, 0.2828,  
0.3486


188.7908, 0.2974,  
0.3390

 16.3017, 0.2781,  
0.3518

231.1152, 0.2984,  
0.3383

 9.7379, 0.2716,  
0.3561

279.3350, 0.2993,  
0.3378

 5.2255, 0.2622,  
0.3625

333.8345, 0.3001,

 2.3802, 0.2471,

0.3373

394.9982, 0.3008,  
0.3368

0.3727

0.8157, 0.1895,  
0.4089

0.0000, 0.0000,  
0.0000

70.7590, 0.2915,  
0.3429

70.7590, 0.2915,  
0.3429

67.8257, 0.2812,  
0.3513

74.1657, 0.3026,  
0.3352

65.3353, 0.2718,  
0.3604


78.0572, 0.3141,  
0.3282


63.2670, 0.2638,  
0.3701

82.4557, 0.3258,  
0.3220


61.5953, 0.2574,  
0.3803


83.1245, 0.3227,  
0.3158

 60.2913, 0.2528,  
0.3908


 83.5133, 0.3185,  
0.3096


 59.3227, 0.2502,  
0.4014

 83.9155, 0.3144,  
0.3036

 58.6510, 0.2497,  
0.4120

 83.9645, 0.3139,  
0.3029

 58.2177, 0.2509,  
0.4225

 58.1737, 0.2510,  
0.4237

# Harmonies

## Analogous

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



70.7590, 0.3101, 0.3577



70.7590, 0.2915, 0.3429



70.7590, 0.2788, 0.3244

# Triad

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



70.7590, 0.2915, 0.3429



70.7590, 0.2950, 0.2961



70.7590, 0.3520, 0.3483

# Complementary

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



70.7590, 0.2915, 0.3429



55.2451, 0.3395, 0.3156

# 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.



70.7590, 0.3478, 0.3320



70.7590, 0.2915, 0.3429



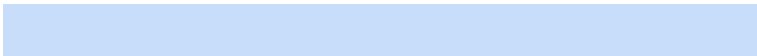
70.7590, 0.3144, 0.3025

# Square

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



70.7590, 0.2915, 0.3429



70.7590, 0.2807, 0.2978



70.7590, 0.3339, 0.3154



70.7590, 0.3453, 0.3603



# Rectangle

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



70.7590, 0.2915, 0.3429



70.7590, 0.2751, 0.3129



70.7590, 0.3339, 0.3154



70.7590, 0.3519, 0.3432

# Sweetspot

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



70.7619, 0.2915, 0.3429



96.9403, 0.3058, 0.3332



70.8889, 0.3187, 0.3792



20.6809, 0.3050, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

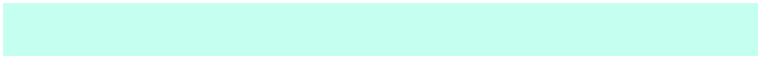


# Same Dimension

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



70.7619, 0.2915, 0.3429



89.5112, 0.2869, 0.3464



66.4231, 0.2839, 0.3181



16.2640, 0.3019, 0.3357



33.6142, 0.2506, 0.4221



2.4996, 0.2463, 0.4068



# Inverse Universe

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



55.2451, 0.3395, 0.3156



65.6893, 0.3472, 0.3123



58.7391, 0.3476, 0.3396



14.4339, 0.3249, 0.3225



9.7538, 0.5827, 0.2984

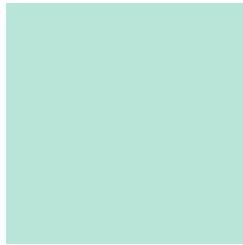


0.7362, 0.5410, 0.2754



# Previews

## White Background



This preview shows how the Yxy color 70.7590, 0.2915, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

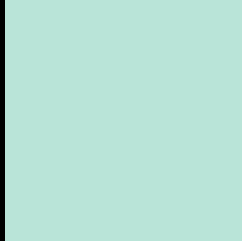
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.7590, 0.2915, 0.3429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

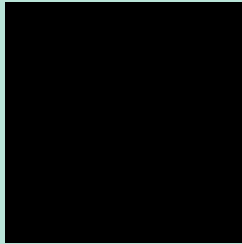
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

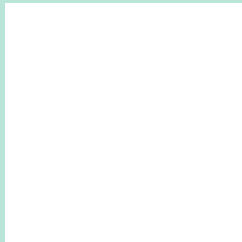
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.7590, 0.2915, 0.3429**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7590, 0.2915, 0.3429.

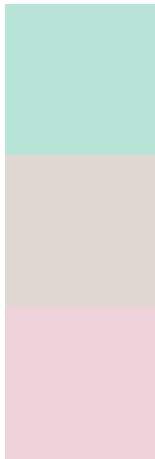


This preview shows how white text looks on a background with the Yxy color 70.7590, 0.2915, 0.3429.

# 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



### Original Color

70.7590, 0.2915, 0.3429

### Protanopia

70.1261, 0.3226, 0.3367

### Deuteranopia

70.0537, 0.3281, 0.3206



## Tritanopia

70.6693, 0.2793, 0.3088

# Trichromacy



**Original Color**

70.7590, 0.2915, 0.3429

**Protanomaly**

70.1680, 0.3108, 0.3391

**Deuteranomaly**

69.7477, 0.3135, 0.3279

**Tritanomaly**

70.4250, 0.2833, 0.3198

# Monochromacy



**Original Color**

70.7590, 0.2915, 0.3429

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

68.2658, 0.3040, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7590, 0.2915, 0.3429 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(185, 228, 216)` looks like.

```
.text, #text, p{  
    color:rgb(185, 228, 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(185, 228, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 228, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7590, 0.2915, 0.3429 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(185, 228, 216) }
```

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

```
.border{ border-color:rgb(185, 228, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 228, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 228, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 228, 216); box-shadow:4px 4px 4px 4px rgb(185, 228, 216) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7590, 0.2915, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 228, 216) }
```

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

```
.background{ background-color: rgb(185,  
228, 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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