

# Converting Colors

$Yxy(63.7136, 0.2877, 0.3288)$

Have a look what the booklet for  
Yxy(63.7136, 0.2877, 0.3288)  
contains.

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# Color

**Yxy(63.7729, 0.2877, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4D8D8
RGB	180, 216, 216
RGB Percent	71%, 85%, 85%
CMY	0.2939, 0.1530, 0.1529
CMYK	0.17, 0.00, 0.00, 0.15
HSL	180°, 32%, 78%
HSV	180°, 17%, 85%
XYZ	55.7843, 63.7729, 74.3403
YIQ	205.2360, -21.4560, -7.6320

# Conversions

## Conversions Part 2

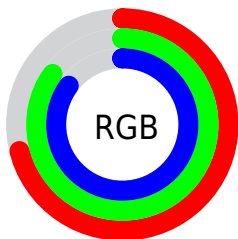
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 198, 216
Decimal	11851992
CIELab	83.85, -11.75, -3.96
CIELCh	84, 12.398, 198.625
Yxy	63.7729, 0.2877, 0.3289
Android (android.graphics.Color)	4290042072 (0xFFB4D8D8)
YUV	205.2360, 5.3067, -22.1320
Hunter-Lab	79.8579, -15.0612, 0.7071

# Details

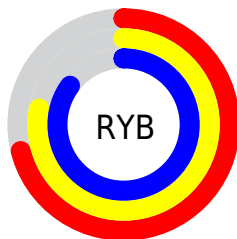
The Yxy color **63.7729, 0.2877, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.5744, 0.3443, 0.3291**, and the grayscale version is **61.1926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **32.5750, 0.2820, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **61.3746, 0.2740, 0.3288**, and if you desaturate by 10%, it is **66.5806, 0.3025, 0.3290**.

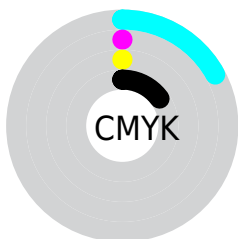
# Distribution



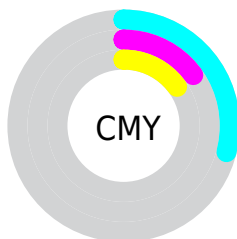
- Red (71%)
- Green (85%)
- Blue (85%)



- Red (71%)
- Yellow (78%)
- Blue (85%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)




- Cyan (29%)
- Magenta (15%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7729, 0.2877, 0.3289 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 63.7729, 0.2877, 0.3289 by changing the saturation by 10% instead.





 63.7729, 0.2877,  
0.3289

 63.7729, 0.2877,  
0.3289


438.3691, 0.2995,  
0.3291

 46.4668, 0.2850,  
0.3288


 110.2838, 0.2918,  
0.3290

 32.6143, 0.2815,  
0.3287


140.2574, 0.2934,  
0.3290

 21.8311, 0.2772,  
0.3286


175.2222, 0.2948,  
0.3290

 13.7329, 0.2714,  
0.3284

215.5627, 0.2960,  
0.3290

 7.9351, 0.2633,  
0.3279

261.6632, 0.2970,  
0.3290

 4.0535, 0.2514,  
0.3272

313.9082, 0.2979,

 1.7035, 0.2321,

0.3291

372.6820, 0.2988,  
0.3291

0.3254

0.4259, 0.0919,  
0.3316

0.0000, 0.0000,  
0.0000

63.7729, 0.2877,  
0.3289

63.7729, 0.2877,  
0.3289

61.3746, 0.2740,  
0.3288

66.5806, 0.3025,  
0.3290

59.3590, 0.2616,  
0.3288

69.8071, 0.3180,  
0.3290

57.7087, 0.2509,  
0.3287

73.4715, 0.3340,  
0.3291

56.4017, 0.2420,  
0.3287

75.3493, 0.3416,  
0.3291

■ 55.4138, 0.2349,  
0.3287

■ 75.3554, 0.3416,  
0.3291

■ 54.7175, 0.2298,  
0.3286

■ 75.3616, 0.3416,  
0.3291

■ 54.2807, 0.2266,  
0.3286

■ 75.3677, 0.3416,  
0.3292

■ 54.0622, 0.2250,  
0.3286

■ 75.3739, 0.3416,  
0.3292

■ 54.0133, 0.2246,  
0.3286

■ 75.3801, 0.3416,  
0.3292

# Harmonies

## Analogous

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



63.7729, 0.2992, 0.3430



63.7729, 0.2877, 0.3289



63.7729, 0.2828, 0.3152

# Triad

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



63.7729, 0.2877, 0.3289



63.7729, 0.3104, 0.3063



63.7729, 0.3403, 0.3520

# Complementary

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



63.7729, 0.2877, 0.3289



50.5744, 0.3443, 0.3291

# 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.



63.7729, 0.3436, 0.3416



63.7729, 0.2877, 0.3289



63.7729, 0.3260, 0.3155

# Square

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



63.7729, 0.2877, 0.3289



63.7729, 0.2957, 0.3026



63.7729, 0.3383, 0.3283



63.7729, 0.3296, 0.3565



# Rectangle

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



63.7729, 0.2877, 0.3289



63.7729, 0.2839, 0.3083



63.7729, 0.3383, 0.3283



63.7729, 0.3423, 0.3491

# Sweetspot

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



63.7755, 0.2877, 0.3289



97.6570, 0.3049, 0.3290



62.1253, 0.3106, 0.3737



20.8348, 0.3038, 0.3290



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.



63.7755, 0.2877, 0.3289



91.5593, 0.2827, 0.3289



55.0741, 0.2867, 0.3070



14.1067, 0.2983, 0.3289



31.9679, 0.2246, 0.3286



1.9285, 0.2246, 0.3286



# Inverse Universe

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



52.2258, 0.3147, 0.2881



71.6639, 0.3151, 0.2792



58.3030, 0.3409, 0.3501



12.6326, 0.3138, 0.3060



11.5720, 0.3211, 0.1542

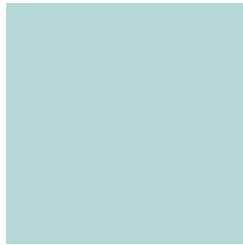


0.6980, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 63.7729, 0.2877, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

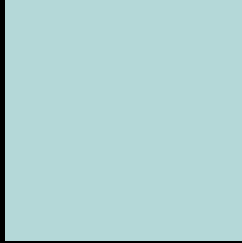
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.7729, 0.2877, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

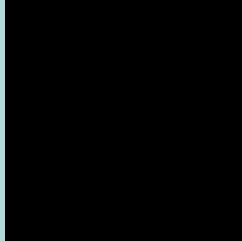
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

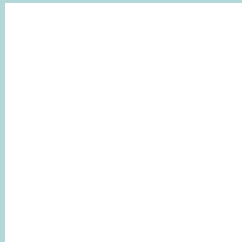
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.7729, 0.2877, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.7729, 0.2877, 0.3289.

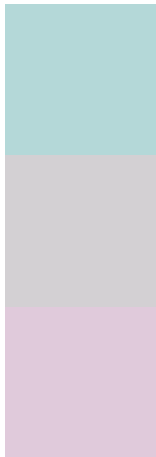


This preview shows how white text looks on a background with the Yxy color 63.7729, 0.2877, 0.3289.

# 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

63.7729, 0.2877, 0.3289

### Protanopia

63.6638, 0.3129, 0.3256

### Deuteranopia

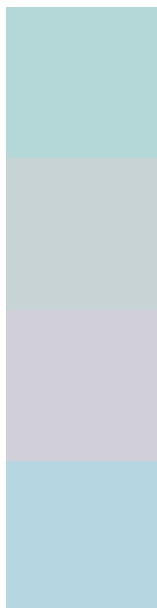
63.2028, 0.3174, 0.3103



## Tritanopia

63.9299, 0.2804, 0.3091

# Trichromacy



## Original Color

63.7729, 0.2877, 0.3289

## Protanomaly

63.6720, 0.3033, 0.3267

## Deuteranomaly

63.0975, 0.3059, 0.3165

## Tritanomaly

64.0369, 0.2829, 0.3160

# Monochromacy



## Original Color

63.7729, 0.2877, 0.3289

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

61.9401, 0.3031, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.7729, 0.2877, 0.3289 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(180, 216, 216)` looks like.

```
.text, #text, p{  
    color:rgb(180, 216, 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(180, 216, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 216, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 63.7729, 0.2877, 0.3289 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(180, 216, 216) }
```

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

```
.border{ border-color:rgb(180, 216, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 216, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 216, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 216, 216);  
box-shadow:4px 4px 4px 4px rgb(180, 216,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.7729, 0.2877, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 216, 216) }
```

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

```
.background{ background-color: rgb(180,  
216, 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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