

# Converting Colors

$Yxy(70.6384, 0.2810, 0.3282)$

Have a look what the booklet for  
Yxy(70.6384, 0.2810, 0.3282)  
contains.

<b>Yxy(70.7915, 0.2814, 0.3289)</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(70.7915, 0.2814, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4E4E4
RGB	180, 228, 228
RGB Percent	71%, 89%, 89%
CMY	0.2942, 0.1059, 0.1058
CMYK	0.21, 0.00, 0.00, 0.11
HSL	180°, 47%, 80%
HSV	180°, 21%, 89%
XYZ	60.5677, 70.7915, 83.8779
YIQ	213.6480, -28.6080, -10.1760

# Conversions

## Conversions Part 2

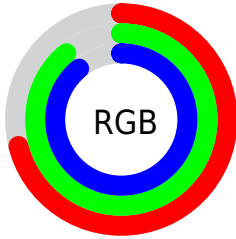
Format	Color
R <sub>Y</sub> B	180, 204, 228
Decimal	11855076
CIE Lab	87.38, -15.35, -5.09
CIE LCh	87, 16.175, 198.353
Yxy	70.7915, 0.2814, 0.3289
Android (android.graphics.Color)	4290045156 (0xFFB4E4E4)
YUV	213.6480, 7.0755, -29.5093
Hunter-Lab	84.1377, -18.7451, -0.2106

# Details

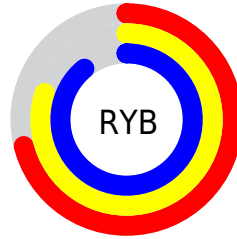
The Yxy color **70.7915, 0.2814, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.4296, 0.3550, 0.3291**, and the grayscale version is **66.9625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **37.3399, 0.2738, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **68.2783, 0.2682, 0.3289**, and if you desaturate by 10%, it is **73.7606, 0.2958, 0.3289**.

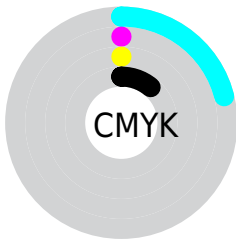
# Distribution



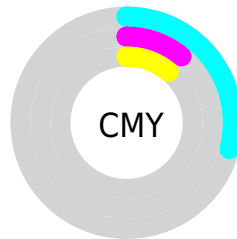
- Red (71%)
- Green (89%)
- Blue (89%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7915, 0.2814, 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 70.7915, 0.2814, 0.3289 by changing the saturation by 10% instead.




 70.7915, 0.2814,  
0.3289

 70.7915, 0.2814,  
0.3289


463.3242, 0.2959,  
0.3291

 52.1721, 0.2781,  
0.3288


 120.3368, 0.2864,  
0.3290

 37.1422, 0.2741,  
0.3287

152.0314, 0.2884,  
0.3290

 25.3176, 0.2689,  
0.3285


188.8533, 0.2900,  
0.3291

 16.3139, 0.2622,  
0.3282

231.1867, 0.2915,  
0.3291

 9.7465, 0.2531,  
0.3276

279.4161, 0.2928,  
0.3291

 5.2312, 0.2401,  
0.3266

333.9259, 0.2939,

 2.3836, 0.2199,

0.3291

395.1005, 0.2949,  
0.3291

0.3245

0.8174, 0.1612,  
0.3278

0.0000, 0.0000,  
0.0000

70.7915, 0.2814,  
0.3289

70.7915, 0.2814,  
0.3289

68.2783, 0.2682,  
0.3289

73.7606, 0.2958,  
0.3289

66.1902, 0.2566,  
0.3288

77.1975, 0.3111,  
0.3290

64.5065, 0.2466,  
0.3288

81.1242, 0.3269,  
0.3290

63.2009, 0.2385,  
0.3288

82.3575, 0.3316,  
0.3291

■ 62.2442, 0.2323,  
0.3287

■ 82.3588, 0.3316,  
0.3291

■ 61.6029, 0.2281,  
0.3287

■ 82.3600, 0.3316,  
0.3291

■ 61.2369, 0.2257,  
0.3287

■ 82.3612, 0.3316,  
0.3291

■ 61.0831, 0.2246,  
0.3287

■ 82.3624, 0.3316,  
0.3291

■ 82.3636, 0.3316,  
0.3291

# Harmonies

## Analogous

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



70.7915, 0.2958, 0.3469



70.7915, 0.2814, 0.3289



70.7915, 0.2753, 0.3116

# Triad

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



70.7915, 0.2814, 0.3289



70.7915, 0.3095, 0.3005



70.7915, 0.3476, 0.3578

# Complementary

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



70.7915, 0.2814, 0.3289



52.4296, 0.3550, 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.



70.7915, 0.3517, 0.3445



70.7915, 0.2814, 0.3289



70.7915, 0.3293, 0.3120

# Square

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



70.7915, 0.2814, 0.3289



70.7915, 0.2911, 0.2960



70.7915, 0.3449, 0.3278



70.7915, 0.3340, 0.3637



# Rectangle

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



70.7915, 0.2814, 0.3289



70.7915, 0.2765, 0.3029



70.7915, 0.3449, 0.3278



70.7915, 0.3501, 0.3540

# Sweetspot

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



70.7944, 0.2814, 0.3289



97.2119, 0.3034, 0.3290



68.4896, 0.3100, 0.3874



20.7453, 0.3024, 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.



70.7944, 0.2814, 0.3289



89.8449, 0.2759, 0.3289



58.4891, 0.2794, 0.3004



16.3362, 0.2982, 0.3290



35.2677, 0.2246, 0.3287



2.6062, 0.2247, 0.3287



# Inverse Universe

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



54.7348, 0.3152, 0.2768



65.8503, 0.3157, 0.2666



62.9759, 0.3496, 0.3561



14.6152, 0.3138, 0.3059



12.7580, 0.3209, 0.1542

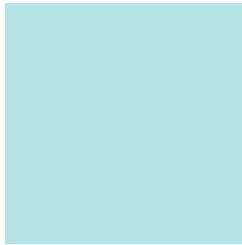


0.9428, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 70.7915, 0.2814, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

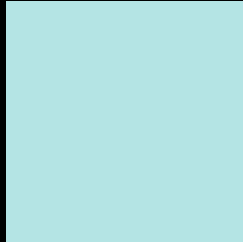
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.7915, 0.2814, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

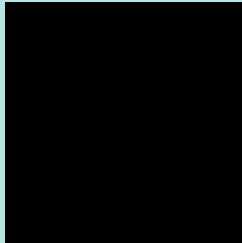
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

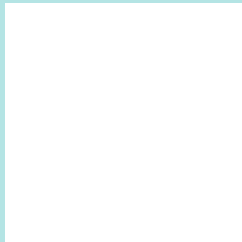
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.7915, 0.2814, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7915, 0.2814, 0.3289.

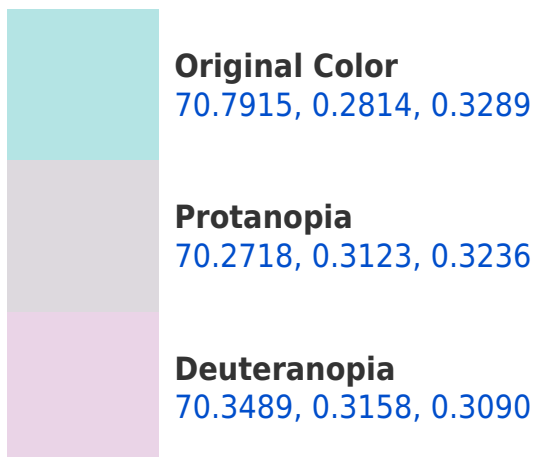


This preview shows how white text looks on a background with the Yxy color 70.7915, 0.2814, 0.3289.

# 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

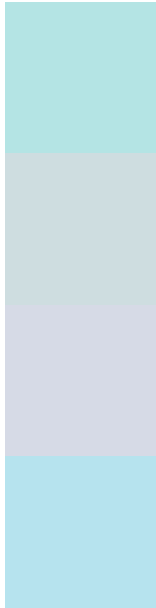




## Tritanopia

70.9916, 0.2741, 0.3086

# Trichromacy



**Original Color**

70.7915, 0.2814, 0.3289

**Protanomaly**

70.2165, 0.3003, 0.3256

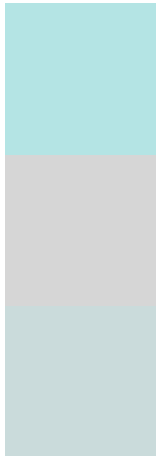
**Deuteranomaly**

70.1521, 0.3020, 0.3158

**Tritanomaly**

71.0563, 0.2769, 0.3164

# Monochromacy



**Original Color**

70.7915, 0.2814, 0.3289

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

68.3341, 0.3008, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7915, 0.2814, 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, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 228)  
}
```

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, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7915, 0.2814, 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, 228, 228) }
```

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

```
.border{ border-color:rgb(180, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7915, 0.2814, 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, 228, 228) }
```

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

```
.background{ background-color: rgb(180,  
228, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor