

# Converting Colors

Yxy(69.8823, 0.2835, 0.3289)

Have a look what the booklet for  
Yxy(69.8823, 0.2835, 0.3289)  
contains.

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# **Color**

**Yxy(69.8288, 0.2836, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">B6E2E2</a>
RGB	<a href="#">182, 226, 226</a>
RGB Percent	<a href="#">71%, 89%, 89%</a>
CMY	<a href="#">0.2864, 0.1137, 0.1136</a>
<a href="#">CMYK</a>	<a href="#">0.19, 0.00, 0.00, 0.11</a>
HSL	<a href="#">180°, 43%, 80%</a>
HSV	<a href="#">180°, 19%, 89%</a>
XYZ	<a href="#">60.2112, 69.8288, 82.2702</a>
YIQ	<a href="#">212.8440, -26.2240, -9.3280</a>

# Conversions

## Conversions Part 2

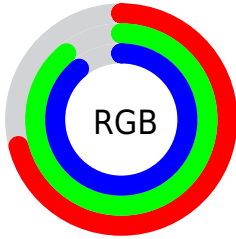
Format	Color
R <sub>Y</sub> B	182, 204, 226
Decimal	11985634
CIE Lab	86.91, -14.17, -4.73
CIE LCh	87, 14.937, 198.445
Yxy	69.8288, 0.2836, 0.3289
Android (android.graphics.Color)	4290175714 (0xFFB6E2E2)
YUV	212.8440, 6.4859, -27.0502
Hunter-Lab	83.5636, -17.6195, 0.1223

# Details

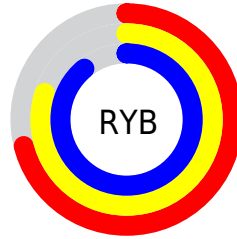
The Yxy color **69.8288, 0.2836, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.9947, 0.3511, 0.3291**, and the grayscale version is **66.3972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **36.6553, 0.2765, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **67.2960, 0.2702, 0.3289**, and if you desaturate by 10%, it is **72.8114, 0.2981, 0.3290**.

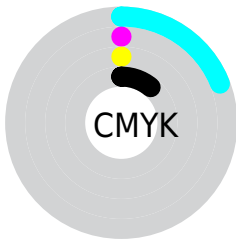
# Distribution



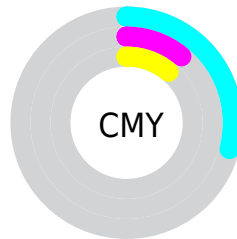
- Red (71%)
- Green (89%)
- Blue (89%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8288, 0.2836, 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 69.8288, 0.2836, 0.3289 by changing the saturation by 10% instead.





 69.8288, 0.2836,  
0.3289

 69.8288, 0.2836,  
0.3289


459.9487, 0.2971,  
0.3291

 51.3870, 0.2805,  
0.3288


 118.9646, 0.2883,  
0.3290

 36.5167, 0.2767,  
0.3287


150.4273, 0.2901,  
0.3290

 24.8335, 0.2719,  
0.3285


186.9992, 0.2917,  
0.3290

 15.9530, 0.2656,  
0.3282

229.0645, 0.2930,  
0.3291

 9.4909, 0.2570,  
0.3278

277.0077, 0.2942,  
0.3291

 5.0628, 0.2446,  
0.3269

331.2132, 0.2953,

 2.2841, 0.2253,

0.3291

392.0654, 0.2962,  
0.3291

0.3250

0.7653, 0.1641,  
0.3292

0.0000, 0.0000,  
0.0000

69.8288, 0.2836,  
0.3289

69.8288, 0.2836,  
0.3289

67.2960, 0.2702,  
0.3289

72.8114, 0.2981,  
0.3290

65.1832, 0.2583,  
0.3288


76.2550, 0.3135,  
0.3290


63.4702, 0.2480,  
0.3288


80.1813, 0.3294,  
0.3291


62.1318, 0.2397,  
0.3287

81.1620, 0.3332,  
0.3291


 61.1400, 0.2332,  
0.3287

 81.1648, 0.3332,  
0.3291

 60.4626, 0.2287,  
0.3287

 81.1677, 0.3332,  
0.3291


 60.0618, 0.2260,  
0.3287

 81.1705, 0.3332,  
0.3291

 59.8752, 0.2247,  
0.3287

 81.1734, 0.3332,  
0.3291

 59.8676, 0.2246,  
0.3287

 81.1762, 0.3332,  
0.3291

# Harmonies

## Analogous

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



69.8288, 0.2970, 0.3455



69.8288, 0.2836, 0.3289



69.8288, 0.2779, 0.3129

# Triad

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



69.8288, 0.2836, 0.3289



69.8288, 0.3098, 0.3025



69.8288, 0.3450, 0.3558

# Complementary

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



69.8288, 0.2836, 0.3289



52.9947, 0.3511, 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.



69.8288, 0.3488, 0.3435



69.8288, 0.2836, 0.3289



69.8288, 0.3282, 0.3132

# Square

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



69.8288, 0.2836, 0.3289



69.8288, 0.2927, 0.2983



69.8288, 0.3426, 0.3280



69.8288, 0.3324, 0.3612



# Rectangle

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



69.8288, 0.2836, 0.3289



69.8288, 0.2791, 0.3048



69.8288, 0.3426, 0.3280



69.8288, 0.3474, 0.3523

# Sweetspot

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



69.8317, 0.2836, 0.3289



97.2105, 0.3034, 0.3290



67.7211, 0.3102, 0.3825



20.7450, 0.3024, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

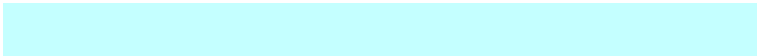


# Same Dimension

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



69.8317, 0.2836, 0.3289



90.5141, 0.2786, 0.3289



58.6160, 0.2820, 0.3027



15.5718, 0.2982, 0.3290



34.1477, 0.2246, 0.3287



2.3671, 0.2246, 0.3287



# Inverse Universe

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



55.1061, 0.3150, 0.2808



68.1171, 0.3154, 0.2716



62.7310, 0.3464, 0.3539



13.9356, 0.3138, 0.3059



12.3553, 0.3210, 0.1542

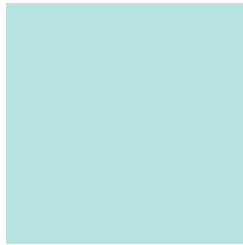


0.8564, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 69.8288, 0.2836, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

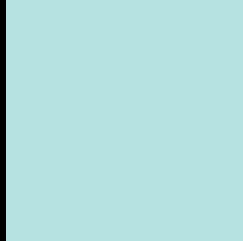
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8288, 0.2836, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

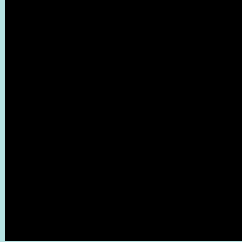
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

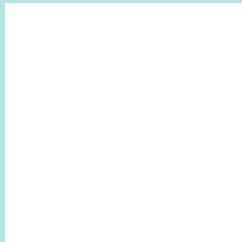
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8288, 0.2836, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8288, 0.2836, 0.3289.

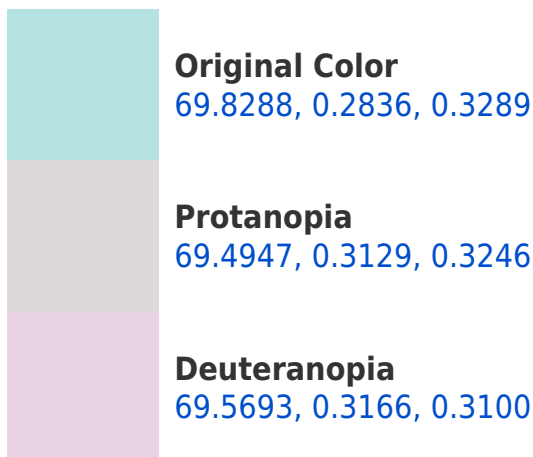


This preview shows how white text looks on a background with the Yxy color 69.8288, 0.2836, 0.3289.

# 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

69.9765, 0.2768, 0.3097

# Trichromacy



## Original Color

69.8288, 0.2836, 0.3289

## Protanomaly

69.5821, 0.3016, 0.3267

## Deuteranomaly

69.0093, 0.3034, 0.3158

## Tritanomaly

70.0969, 0.2791, 0.3164

# Monochromacy



## Original Color

69.8288, 0.2836, 0.3289

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.7613, 0.3014, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8288, 0.2836, 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(182, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(182, 226, 226)  
}
```

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(182, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 226, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8288, 0.2836, 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(182, 226, 226) }
```

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

```
.border{ border-color:rgb(182, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(182, 226,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8288, 0.2836, 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(182, 226, 226) }
```

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

```
.background{ background-color: rgb(182,  
226, 226) }
```

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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