

# Converting Colors

$Yxy(69.6215, 0.2829, 0.3308)$

Have a look what the booklet for  
Yxy(69.6215, 0.2829, 0.3308)  
contains.

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# Color

**Yxy(69.5323, 0.2830, 0.3301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4E2E1
RGB	180, 226, 225
RGB Percent	71%, 89%, 88%
CMY	0.2940, 0.1137, 0.1177
CMYK	0.20, 0.00, 0.00, 0.11
HSL	179°, 44%, 80%
HSV	179°, 20%, 89%
XYZ	59.6112, 69.5323, 81.4967
YIQ	212.1320, -27.0950, -10.0630

# Conversions

## Conversions Part 2

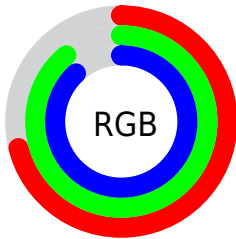
Format	Color
<b>RYB</b>	180, 203, 226
Decimal	11854561
CIELab	86.77, -14.97, -4.40
CIELCh	87, 15.606, 196.394
Yxy	69.5323, 0.2830, 0.3301
Android (android.graphics.Color)	4290044641 (0xFFB4E2E1)
YUV	212.1320, 6.3439, -28.1798
Hunter-Lab	83.3860, -18.3192, 0.4236

# Details

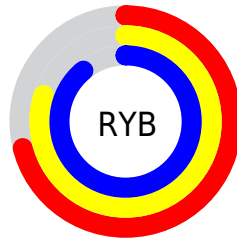
The Yxy color **69.5323, 0.2830, 0.3301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.1609, 0.3523, 0.3279**, and the grayscale version is **65.9051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **36.4637, 0.2757, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **67.0123, 0.2700, 0.3307**, and if you desaturate by 10%, it is **72.5003, 0.2972, 0.3295**.

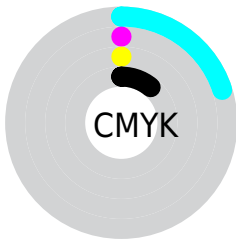
# Distribution



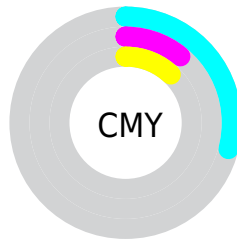
- Red (71%)
- Green (89%)
- Blue (88%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5323, 0.2830, 0.3301 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 69.5323, 0.2830, 0.3301 by changing the saturation by 10% instead.





 69.5323, 0.2830,  
0.3301

 69.5323, 0.2830,  
0.3301


458.9061, 0.2968,  
0.3297

 51.1453, 0.2799,  
0.3301


 118.5415, 0.2878,  
0.3300

 36.3243, 0.2760,  
0.3302


149.9326, 0.2896,  
0.3300

 24.6848, 0.2710,  
0.3302


186.4272, 0.2912,  
0.3299

 15.8423, 0.2646,  
0.3302

228.4096, 0.2926,  
0.3299

 9.4127, 0.2558,  
0.3301

276.2643, 0.2939,  
0.3298

 5.0113, 0.2431,  
0.3297

330.3757, 0.2949,

 2.2539, 0.2232,

0.3298

391.1282, 0.2959,  
0.3298

0.3286

0.7491, 0.1555,  
0.3362

0.0000, 0.0000,  
0.0000

69.5323, 0.2830,  
0.3301

69.5323, 0.2830,  
0.3301

67.0123, 0.2700,  
0.3307

72.5003, 0.2972,  
0.3295

64.9104, 0.2584,  
0.3314


75.9278, 0.3122,  
0.3290


63.2062, 0.2484,  
0.3321


79.8363, 0.3278,  
0.3286

61.8744, 0.2404,  
0.3328

81.1990, 0.3325,  
0.3281

 60.8865, 0.2342,  
0.3335

 81.2268, 0.3322,  
0.3276


 60.2103, 0.2300,  
0.3342


 81.2547, 0.3318,  
0.3271

 59.8070, 0.2276,  
0.3349

 81.2827, 0.3315,  
0.3266

 59.6124, 0.2266,  
0.3356

 81.3108, 0.3312,  
0.3261

 81.3389, 0.3308,  
0.3256

# Harmonies

## Analogous

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



69.5323, 0.2974, 0.3474



69.5323, 0.2830, 0.3301



69.5323, 0.2764, 0.3131

# Triad

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



69.5323, 0.2830, 0.3301



69.5323, 0.3083, 0.3008



69.5323, 0.3471, 0.3563

# Complementary

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



69.5323, 0.2830, 0.3301



52.1609, 0.3523, 0.3279

# 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.



69.5323, 0.3504, 0.3431



69.5323, 0.2830, 0.3301



69.5323, 0.3276, 0.3116

# Square

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



69.5323, 0.2830, 0.3301



69.5323, 0.2907, 0.2969



69.5323, 0.3432, 0.3268



69.5323, 0.3345, 0.3626

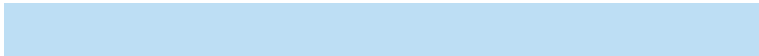


# Rectangle

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



69.5323, 0.2830, 0.3301



69.5323, 0.2773, 0.3044



69.5323, 0.3432, 0.3268



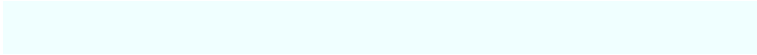
69.5323, 0.3494, 0.3525

# Sweetspot

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



69.5351, 0.2830, 0.3301



97.1909, 0.3035, 0.3293



67.5815, 0.3111, 0.3849



20.7403, 0.3026, 0.3293



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.



69.5351, 0.2830, 0.3301



90.0955, 0.2779, 0.3303



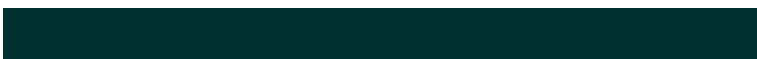
58.6439, 0.2808, 0.3033



15.5668, 0.2985, 0.3295



34.0109, 0.2265, 0.3355



2.3591, 0.2262, 0.3344



# Inverse Universe

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



52.1609, 0.3523, 0.3279



63.7021, 0.3620, 0.3277



61.4638, 0.3484, 0.3534



13.7055, 0.3289, 0.3285



9.2329, 0.6376, 0.3286

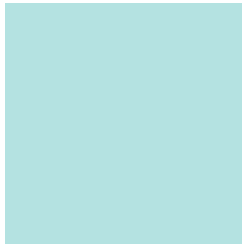


0.6417, 0.6303, 0.3246



# Previews

## White Background



This preview shows how the Yxy color 69.5323, 0.2830, 0.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

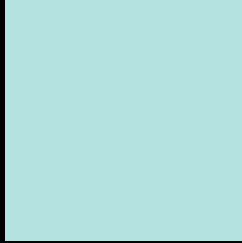
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5323, 0.2830, 0.3301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

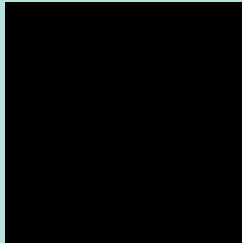
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

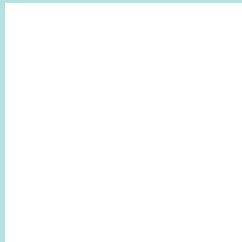
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.5323, 0.2830, 0.3301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5323, 0.2830, 0.3301.

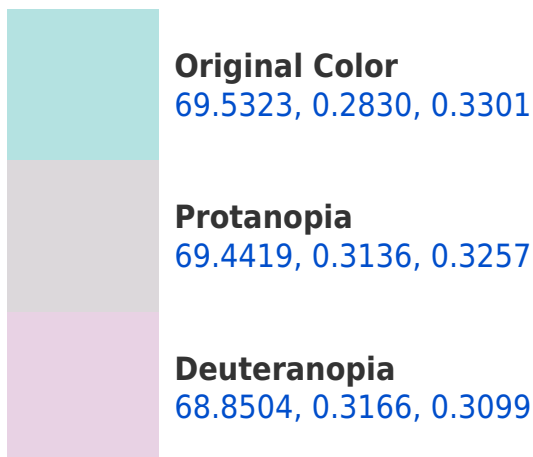


This preview shows how white text looks on a background with the Yxy color 69.5323, 0.2830, 0.3301.

# 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

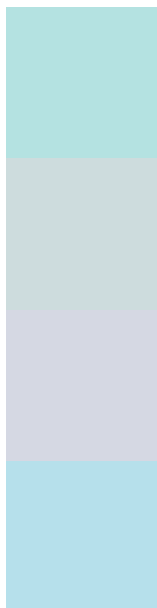




## Tritanopia

69.1935, 0.2755, 0.3085

# Trichromacy



## Original Color

69.5323, 0.2830, 0.3301

## Protanomaly

69.3860, 0.3016, 0.3278

## Deuteranomaly

68.8039, 0.3033, 0.3169

## Tritanomaly

69.2546, 0.2783, 0.3163

# Monochromacy



## Original Color

69.5323, 0.2830, 0.3301

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

66.9148, 0.3007, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5323, 0.2830, 0.3301 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, 226, 225)` looks like.

```
.text, #text, p{  
    color:rgb(180, 226, 225)  
}
```

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, 226, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 226, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5323, 0.2830, 0.3301 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, 226, 225) }
```

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

```
.border{ border-color:rgb(180, 226, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 226, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 226, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 226, 225);  
box-shadow:4px 4px 4px 4px rgb(180, 226,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5323, 0.2830, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 226, 225) }
```

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

```
.background{ background-color: rgb(180,  
226, 225) }
```

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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