

# Converting Colors

$Yxy(69.4222, 0.2861, 0.3255)$

Have a look what the booklet for  
Yxy(69.4222, 0.2861, 0.3255)  
contains.

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# Color

**Yxy(69.4222, 0.2861, 0.3255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE0E3
RGB	187, 224, 227
RGB Percent	73%, 88%, 89%
CMY	0.2665, 0.1216, 0.1099
CMYK	0.18, 0.01, 0.00, 0.11
HSL	184°, 42%, 81%
HSV	184°, 18%, 89%
XYZ	61.0190, 69.4222, 82.8374
YIQ	213.2790, -23.0150, -6.9110

# Conversions

## Conversions Part 2

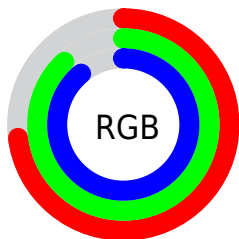
Format	Color
R <sub>Y</sub> B	187, 206, 227
Decimal	12312803
CIE Lab	86.71, -11.39, -5.49
CIE LCh	87, 12.648, 205.720
Yxy	69.4222, 0.2861, 0.3255
Android (android.graphics.Color)	4290502883 (0xFFBBE0E3)
YUV	213.2790, 6.7645, -23.0467
Hunter-Lab	83.3200, -15.0863, -0.6226

# Details

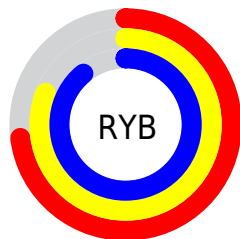
The Yxy color **69.4222, 0.2861, 0.3255** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.7528, 0.3460, 0.3325**, and the grayscale version is **66.7071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **36.3410, 0.2794, 0.3244** is the 20% darker color. If you saturate the color by 10%, you get **65.8790, 0.2721, 0.3233**, and if you desaturate by 10%, it is **73.4326, 0.3010, 0.3276**.

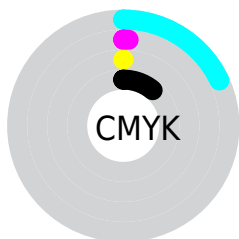
# Distribution



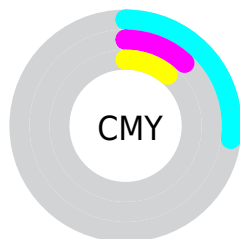
- Red (73%)
- Green (88%)
- Blue (89%)



- Red (73%)
- Yellow (81%)
- Blue (89%)



- Cyan (18%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)




- Cyan (27%)
- Magenta (12%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4222, 0.2861, 0.3255 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 69.4222, 0.2861, 0.3255 by changing the saturation by 10% instead.




 69.4222, 0.2861,  
0.3255

 69.4222, 0.2861,  
0.3255


458.5186, 0.2984,  
0.3273

 51.0556, 0.2833,  
0.3251


 118.3844, 0.2904,  
0.3261

 36.2529, 0.2798,  
0.3245


149.7488, 0.2920,  
0.3264

 24.6296, 0.2754,  
0.3238


186.2146, 0.2935,  
0.3266

 15.8013, 0.2696,  
0.3227

228.1663, 0.2947,  
0.3268

 9.3836, 0.2617,  
0.3213

275.9881, 0.2958,  
0.3269

 4.9923, 0.2503,  
0.3189

330.0645, 0.2968,

 2.2427, 0.2324,

0.3270

0.3148

390.7799, 0.2977,  
0.3272

0.7431, 0.1797,  
0.3119

0.0000, 0.0000,  
0.0000

69.4222, 0.2861,  
0.3255

69.4222, 0.2861,  
0.3255

65.8790, 0.2721,  
0.3233

73.4326, 0.3010,  
0.3276

62.7732, 0.2593,  
0.3210

77.9216, 0.3165,  
0.3294

60.0848, 0.2479,  
0.3185

82.8845, 0.3322,  
0.3311

57.7888, 0.2383,  
0.3160

83.8260, 0.3320,  
0.3328

■ 55.8573, 0.2306,  
0.3134

■ 84.7767, 0.3318,  
0.3345

■ 54.2589, 0.2247,  
0.3109

■ 85.7366, 0.3316,  
0.3362

■ 52.9565, 0.2208,  
0.3083

■ 86.7056, 0.3314,  
0.3378

■ 51.9001, 0.2186,  
0.3058

■ 87.6839, 0.3312,  
0.3395

■ 51.6633, 0.2181,  
0.3052

■ 88.6715, 0.3310,  
0.3411

# Harmonies

## Analogous

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



69.4222, 0.2961, 0.3398



69.4222, 0.2861, 0.3255



69.4222, 0.2830, 0.3126

# Triad

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



69.4222, 0.2861, 0.3255



69.4222, 0.3141, 0.3082



69.4222, 0.3381, 0.3535

# Complementary

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



69.4222, 0.2861, 0.3255



56.7528, 0.3460, 0.3325

# 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.



69.4222, 0.3433, 0.3443



69.4222, 0.2861, 0.3255



69.4222, 0.3293, 0.3184

# Square

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



69.4222, 0.2861, 0.3255



69.4222, 0.2990, 0.3031



69.4222, 0.3401, 0.3315



69.4222, 0.3261, 0.3562



# Rectangle

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



69.4222, 0.2861, 0.3255



69.4222, 0.2853, 0.3066



69.4222, 0.3401, 0.3315



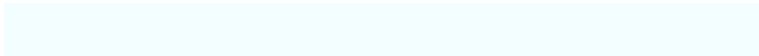
69.4222, 0.3407, 0.3510

# Sweetspot

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



69.4251, 0.2861, 0.3255



97.0565, 0.3049, 0.3281



69.1996, 0.3088, 0.3734



20.6883, 0.3038, 0.3279



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.



69.4251, 0.2861, 0.3255



88.6989, 0.2810, 0.3247



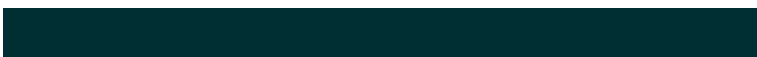
59.4662, 0.2849, 0.3023



16.1427, 0.2982, 0.3272



30.2138, 0.2182, 0.3056



2.2879, 0.2192, 0.3093



# Inverse Universe

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



57.2680, 0.3170, 0.2886



70.2089, 0.3180, 0.2803



65.8477, 0.3423, 0.3543



14.5957, 0.3149, 0.3075



12.2478, 0.3405, 0.1649

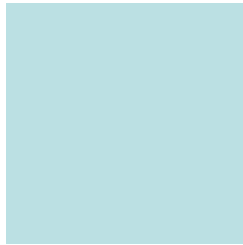


0.9106, 0.3373, 0.1632



# Previews

## White Background



This preview shows how the Yxy color 69.4222, 0.2861, 0.3255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

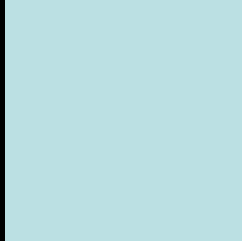
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.4222, 0.2861, 0.3255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

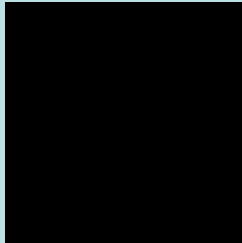
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

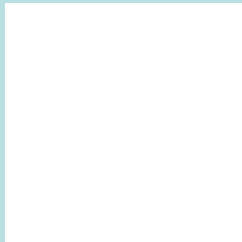
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.4222, 0.2861, 0.3255**

## Background



This preview shows how black text looks on a background with the Yxy color 69.4222, 0.2861, 0.3255.

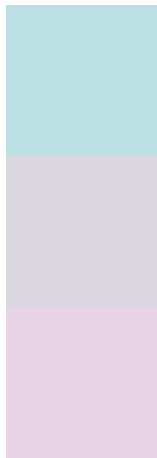


This preview shows how white text looks on a background with the Yxy color 69.4222, 0.2861, 0.3255.

# 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

69.4222, 0.2861, 0.3255

### Protanopia

68.9349, 0.3109, 0.3213

### Deuteranopia

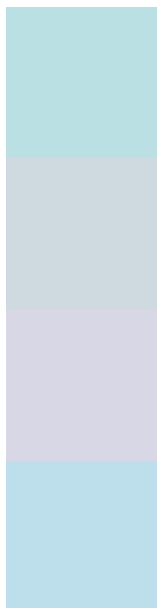
68.9622, 0.3152, 0.3078



## Tritanopia

69.3526, 0.2796, 0.3086

# Trichromacy



## Original Color

69.4222, 0.2861, 0.3255

## Protanomaly

68.7900, 0.3010, 0.3223

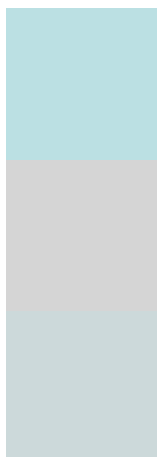
## Deuteranomaly

68.8570, 0.3041, 0.3137

## Tritanomaly

69.4649, 0.2820, 0.3153

# Monochromacy



## Original Color

69.4222, 0.2861, 0.3255

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.5250, 0.3028, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.4222, 0.2861, 0.3255 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(187, 224, 227)` looks like.

```
.text, #text, p{  
    color:rgb(187, 224, 227)  
}
```

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(187, 224, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 224, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4222, 0.2861, 0.3255 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(187, 224, 227) }
```

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

```
.border{ border-color:rgb(187, 224, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 224, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 224, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 224, 227);  
box-shadow:4px 4px 4px 4px rgb(187, 224,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.4222, 0.2861, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 224, 227) }
```

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

```
.background{ background-color: rgb(187,  
224, 227) }
```

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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