

Converting Colors

$Yxy(67.3890, 0.2849, 0.3181)$

Have a look what the booklet for
Yxy(67.3890, 0.2849, 0.3181)
contains.

Yxy(67.5349, 0.2853, 0.3186)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.5349, 0.2853, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	BCDCE5
RGB	188, 220, 229
RGB Percent	74%, 86%, 90%
CMY	0.2627, 0.1372, 0.1020
CMYK	0.18, 0.04, 0.00, 0.10
HSL	193°, 44%, 82%
HSV	193°, 18%, 90%
XYZ	60.4762, 67.5349, 83.9629
YIQ	211.4580, -21.9610, -3.9850

Conversions

Conversions Part 2

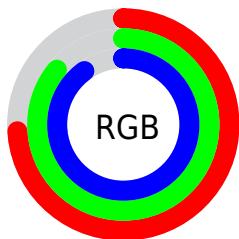
Format	Color
RYB	188, 206, 229
Decimal	12377317
CIELab	85.77, -8.63, -7.93
CIELCh	86, 11.720, 222.589
Yxy	67.5349, 0.2853, 0.3186
Android (android.graphics.Color)	4290567397 (0xFFBCDCE5)
YUV	211.4580, 8.6482, -20.5727
Hunter-Lab	82.1796, -12.4558, -3.0508

Details

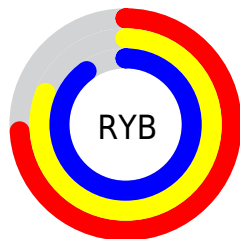
The Yxy color **67.5349, 0.2853, 0.3186** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.2193, 0.3456, 0.3392**, and the grayscale version is **65.4156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **35.0346, 0.2783, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **62.2605, 0.2705, 0.3120**, and if you desaturate by 10%, it is **73.3554, 0.3005, 0.3246**.

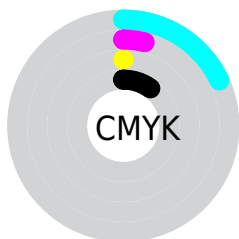
Distribution



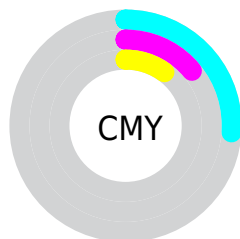
- Red (74%)
- Green (86%)
- Blue (90%)



- Red (74%)
- Yellow (81%)
- Blue (90%)



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (26%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5349, 0.2853, 0.3186 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 67.5349, 0.2853, 0.3186 by changing the saturation by 10% instead.

67.5349, 0.2853,
0.3186

67.5349, 0.2853,
0.3186

451.8464, 0.2981,
0.3236

49.5194, 0.2824,
0.3174

115.6865, 0.2897,
0.3204

35.0317, 0.2787,
0.3159

146.5915, 0.2915,
0.3211

23.6873, 0.2741,
0.3140

182.5618, 0.2929,
0.3216

15.1018, 0.2681,
0.3114

223.9817, 0.2942,
0.3221

8.8909, 0.2598,
0.3077

271.2358, 0.2954,
0.3226

4.6701, 0.2478,
0.3021

324.7083, 0.2964,

2.0550, 0.2289,

0.3230

0.2928

384.7837, 0.2973,
0.3233

0.6391, 0.1714,
0.2760

0.0000, 0.0000,
0.0000

67.5349, 0.2853,
0.3186

67.5349, 0.2853,
0.3186

62.2605, 0.2705,
0.3120

73.3554, 0.3005,
0.3246

57.5014, 0.2566,
0.3050

79.7346, 0.3160,
0.3301

53.2363, 0.2437,
0.2975

86.3684, 0.3302,
0.3351

49.4389, 0.2323,
0.2897

89.2846, 0.3296,
0.3400

■ 46.0801, 0.2226,
0.2817

■ 92.2826, 0.3290,
0.3448

■ 43.1266, 0.2149,
0.2735

■ 95.3631, 0.3285,
0.3496

■ 40.5399, 0.2091,
0.2654

■ 98.4362, 0.3280,
0.3542

■ 38.2666, 0.2051,
0.2574

■ 37.8096, 0.2044,
0.2557

Harmonies

Analogous

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



67.5349, 0.2912, 0.3317



67.5349, 0.2853, 0.3186



67.5349, 0.2865, 0.3088

Triad

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



67.5349, 0.2853, 0.3186



67.5349, 0.3223, 0.3144



67.5349, 0.3308, 0.3542

Complementary

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



67.5349, 0.2853, 0.3186



60.2193, 0.3456, 0.3392

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.



67.5349, 0.3395, 0.3488



67.5349, 0.2853, 0.3186



67.5349, 0.3346, 0.3259

Square

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



67.5349, 0.2853, 0.3186



67.5349, 0.3076, 0.3067



67.5349, 0.3410, 0.3384



67.5349, 0.3173, 0.3526

Rectangle

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



67.5349, 0.2853, 0.3186



67.5349, 0.2912, 0.3053



67.5349, 0.3410, 0.3384



67.5349, 0.3344, 0.3531

Sweetspot

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



67.5377, 0.2853, 0.3186



95.8911, 0.3050, 0.3263



70.7492, 0.3050, 0.3668



20.4042, 0.3039, 0.3259



0.0000, 0.0000, 0.0000



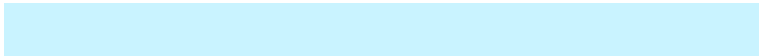
21.4041, 0.3127, 0.3290

Same Dimension

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



67.5377, 0.2853, 0.3186



83.9571, 0.2805, 0.3165



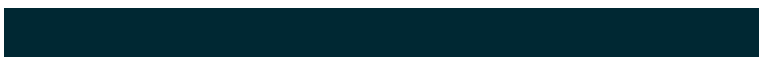
57.4855, 0.2840, 0.2945



15.7720, 0.2981, 0.3237



21.8065, 0.2047, 0.2570



1.7445, 0.2080, 0.2687

Inverse Universe

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



57.7975, 0.3216, 0.2941



69.7302, 0.3235, 0.2875



70.1068, 0.3417, 0.3613



14.5583, 0.3171, 0.3108



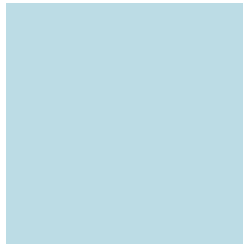
11.3991, 0.3853, 0.1896



0.8558, 0.3741, 0.1834

Previews

White Background



This preview shows how the Yxy color 67.5349, 0.2853, 0.3186 looks on a white background.

Color Contrast Check

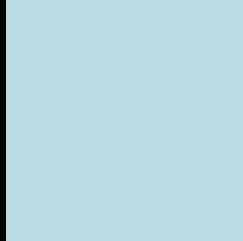
Large Text (above 18pt) WCAG AA × Fail

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 67.5349, 0.2853, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

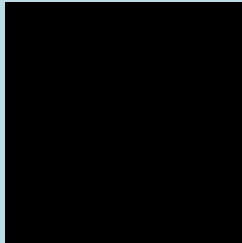
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

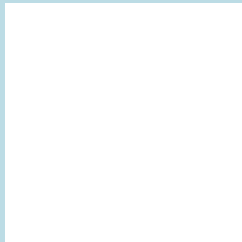
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.5349, 0.2853, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 67.5349, 0.2853, 0.3186.

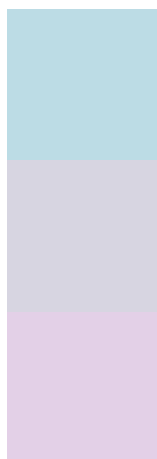


This preview shows how white text looks on a background with the Yxy color 67.5349, 0.2853, 0.3186.

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

67.5349, 0.2853, 0.3186

Protanopia

67.4718, 0.3061, 0.3157

Deuteranopia

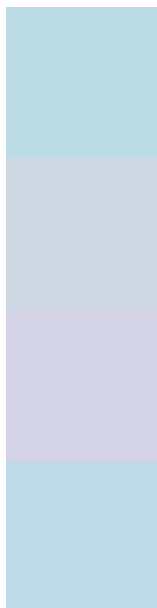
67.2122, 0.3109, 0.3044



Tritanopia

67.5380, 0.2817, 0.3096

Trichromacy



Original Color

67.5349, 0.2853, 0.3186

Protanomaly

67.5819, 0.2984, 0.3177

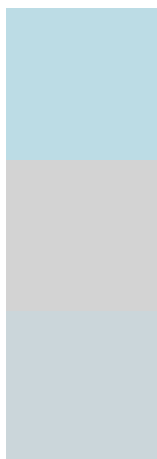
Deuteranomaly

66.9463, 0.3014, 0.3091

Tritanomaly

67.3650, 0.2835, 0.3129

Monochromacy



Original Color

67.5349, 0.2853, 0.3186

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.8516, 0.3021, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5349, 0.2853, 0.3186 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(188, 220, 229)` looks like.

```
.text, #text, p{  
    color:rgb(188, 220, 229)  
}
```

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(188, 220, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 220, 229) }
```

Border

The CSS property to change the border of an element to Yxy 67.5349, 0.2853, 0.3186 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(188, 220, 229) }
```

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

```
.border{ border-color:rgb(188, 220, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 220, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 220, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 220, 229);  
box-shadow:4px 4px 4px 4px rgb(188, 220,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5349, 0.2853, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 220, 229) }
```

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

```
.background{ background-color: rgb(188,  
220, 229) }
```

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