

Converting Colors

$Yxy(68.6236, 0.2854, 0.3266)$

Have a look what the booklet for
Yxy(68.6236, 0.2854, 0.3266)
contains.

Yxy(68.4019, 0.2853, 0.3266)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.4019, 0.2853, 0.3266)

Conversions

Conversions Part 1

Format	Color
Hex	B8DFE1
RGB	184, 223, 225
RGB Percent	72%, 87%, 88%
CMY	0.2783, 0.1255, 0.1177
CMYK	0.18, 0.01, 0.00, 0.12
HSL	183°, 41%, 80%
HSV	183°, 18%, 88%
XYZ	59.7522, 68.4019, 81.2822
YIQ	211.5670, -23.8860, -7.6460

Conversions

Conversions Part 2

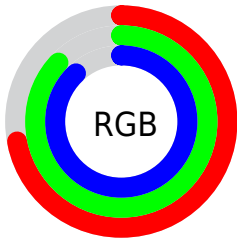
Format	Color
RYB	184, 204, 225
Decimal	12115937
CIELab	86.21, -12.22, -5.21
CIELCh	86, 13.285, 203.093
Yxy	68.4019, 0.2853, 0.3266
Android (android.graphics.Color)	4290306017 (0xFFB8DFE1)
YUV	211.5670, 6.6225, -24.1763
Hunter-Lab	82.7054, -15.7737, -0.3759

Details

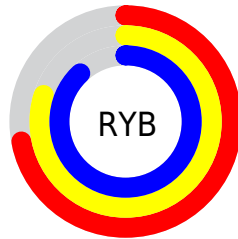
The Yxy color **68.4019, 0.2853, 0.3266** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.6053, 0.3476, 0.3314**, and the grayscale version is **65.5095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **35.6534, 0.2784, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **65.2578, 0.2715, 0.3251**, and if you desaturate by 10%, it is **71.9973, 0.3001, 0.3280**.

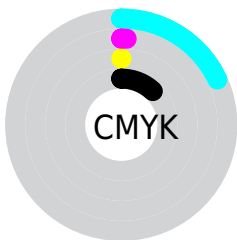
Distribution



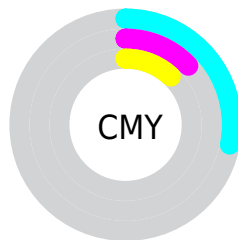
- Red (72%)
- Green (87%)
- Blue (88%)



- Red (72%)
- Yellow (80%)
- Blue (88%)



- Cyan (18%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (28%)
- Magenta (13%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4019, 0.2853, 0.3266 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 68.4019, 0.2853, 0.3266 by changing the saturation by 10% instead.

■ 68.4019, 0.2853,
0.3266

■ 68.4019, 0.2853,
0.3266

454.9187, 0.2980,
0.3279

■ 50.2248, 0.2824,
0.3263

■ 116.9269, 0.2897,
0.3271

■ 35.5920, 0.2788,
0.3259

148.0436, 0.2914,
0.3272

■ 24.1193, 0.2742,
0.3253

184.2422, 0.2929,
0.3274

■ 15.4221, 0.2681,
0.3245

225.9072, 0.2942,
0.3275

■ 9.1162, 0.2599,
0.3233

273.4229, 0.2953,
0.3276

■ 4.8170, 0.2480,
0.3214

327.1738, 0.2963,

■ 2.1403, 0.2292,

0.3277

0.3179

387.5443, 0.2972,
0.3278

0.6872, 0.1641,
0.3178

0.0000, 0.0000,
0.0000

68.4019, 0.2853,
0.3266

68.4019, 0.2853,
0.3266

65.2578, 0.2715,
0.3251

71.9973, 0.3001,
0.3280

62.5359, 0.2590,
0.3236

76.0551, 0.3155,
0.3292

60.2163, 0.2480,
0.3220

80.5964, 0.3314,
0.3304

58.2744, 0.2388,
0.3204

81.8463, 0.3337,
0.3314

■ 56.6829, 0.2315,
0.3187

■ 82.4502, 0.3336,
0.3325

■ 55.4108, 0.2261,
0.3170

■ 83.0580, 0.3334,
0.3336

■ 54.4214, 0.2226,
0.3154

■ 83.6696, 0.3333,
0.3347

■ 53.6622, 0.2207,
0.3138

■ 84.2851, 0.3332,
0.3358

■ 53.5359, 0.2204,
0.3135

■ 84.9044, 0.3330,
0.3369

Harmonies

Analogous

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



68.4019, 0.2964, 0.3416



68.4019, 0.2853, 0.3266



68.4019, 0.2814, 0.3127

Triad

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



68.4019, 0.2853, 0.3266



68.4019, 0.3127, 0.3063



68.4019, 0.3404, 0.3542

Complementary

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



68.4019, 0.2853, 0.3266



54.6053, 0.3476, 0.3314

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.



68.4019, 0.3451, 0.3440



68.4019, 0.2853, 0.3266



68.4019, 0.3289, 0.3167

Square

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



68.4019, 0.2853, 0.3266



68.4019, 0.2969, 0.3016



68.4019, 0.3409, 0.3304



68.4019, 0.3282, 0.3578

Rectangle

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



68.4019, 0.2853, 0.3266



68.4019, 0.2833, 0.3060



68.4019, 0.3409, 0.3304



68.4019, 0.3429, 0.3514

Sweetspot

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



68.4047, 0.2853, 0.3266



97.2652, 0.3049, 0.3284



67.5631, 0.3095, 0.3768



20.7392, 0.3038, 0.3283



0.0000, 0.0000, 0.0000



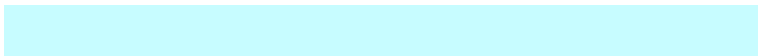
21.4041, 0.3127, 0.3290

Same Dimension

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



68.4047, 0.2853, 0.3266



89.1340, 0.2797, 0.3260



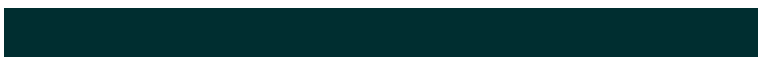
58.4167, 0.2840, 0.3030



15.4516, 0.2982, 0.3278



30.9033, 0.2205, 0.3138



2.1778, 0.2212, 0.3163

Inverse Universe

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



55.6337, 0.3164, 0.2861



69.1058, 0.3172, 0.2766



63.5561, 0.3436, 0.3537



13.9235, 0.3145, 0.3070



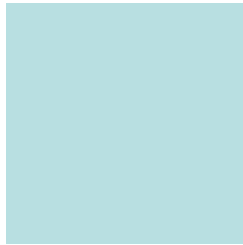
12.0278, 0.3335, 0.1611



0.8373, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 68.4019, 0.2853, 0.3266 looks on a white background.

Color Contrast Check

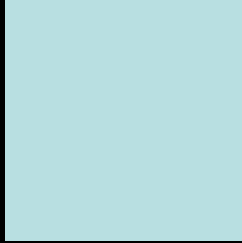
Large Text (above 18pt) WCAG AA × Fail

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 68.4019, 0.2853, 0.3266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

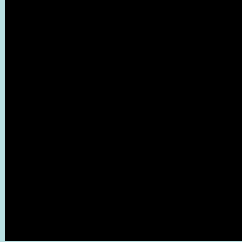
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

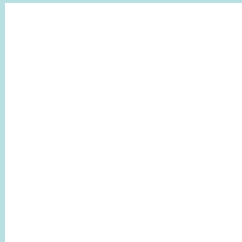
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4019, 0.2853, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 68.4019, 0.2853, 0.3266.

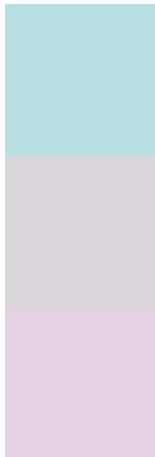


This preview shows how white text looks on a background with the Yxy color 68.4019, 0.2853, 0.3266.

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

68.4019, 0.2853, 0.3266

Protanopia

68.1659, 0.3116, 0.3224

Deuteranopia

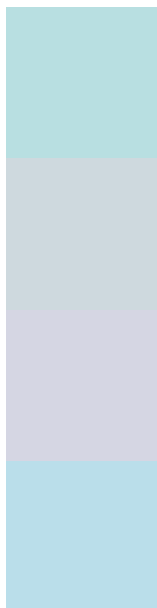
68.0254, 0.3151, 0.3087



Tritanopia

68.5097, 0.2789, 0.3085

Trichromacy



Original Color

68.4019, 0.2853, 0.3266

Protanomaly

68.0214, 0.3016, 0.3233

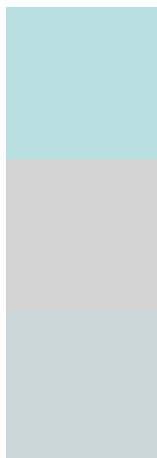
Deuteranomaly

67.7853, 0.3033, 0.3146

Tritanomaly

68.6222, 0.2812, 0.3152

Monochromacy



Original Color

68.4019, 0.2853, 0.3266

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.6780, 0.3021, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4019, 0.2853, 0.3266 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(184, 223, 225)` looks like.

```
.text, #text, p{  
    color:rgb(184, 223, 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(184, 223, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 223, 225) }
```

Border

The CSS property to change the border of an element to Yxy 68.4019, 0.2853, 0.3266 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(184, 223, 225) }
```

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

```
.border{ border-color:rgb(184, 223, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 223, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 223, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 223, 225);  
box-shadow:4px 4px 4px 4px rgb(184, 223,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4019, 0.2853, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 223, 225) }
```

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

```
.background{ background-color: rgb(184,  
223, 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](#).

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