

Converting Colors

$Yxy(67.1131, 0.2851, 0.3319)$

Have a look what the booklet for
Yxy(67.1131, 0.2851, 0.3319)
contains.

Yxy(66.9936, 0.2850, 0.3313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.9936, 0.2850, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	B3DEDC
RGB	179, 222, 220
RGB Percent	70%, 87%, 86%
CMY	0.2980, 0.1294, 0.1373
CMYK	0.19, 0.00, 0.01, 0.13
HSL	177°, 39%, 79%
HSV	177°, 19%, 87%
XYZ	57.6311, 66.9936, 77.5896
YIQ	208.9150, -24.9860, -9.7380

Conversions

Conversions Part 2

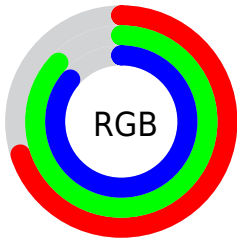
Format	Color
RYB	179, 201, 222
Decimal	11787996
CIELab	85.50, -14.31, -3.64
CIELCh	86, 14.761, 194.270
Yxy	66.9936, 0.2850, 0.3313
Android (android.graphics.Color)	4289978076 (0xFFB3DEDC)
YUV	208.9150, 5.4649, -26.2355
Hunter-Lab	81.8496, -17.5533, 1.0906

Details

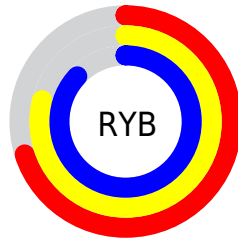
The Yxy color **66.9936, 0.2850, 0.3313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.1166, 0.3490, 0.3268**, and the grayscale version is **63.6813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **34.7140, 0.2780, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **64.5051, 0.2721, 0.3326**, and if you desaturate by 10%, it is **69.9138, 0.2990, 0.3301**.

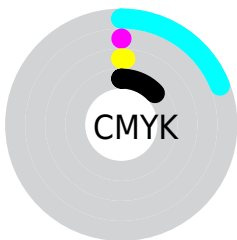
Distribution



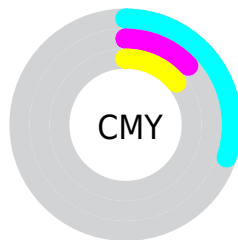
- Red (70%)
- Green (87%)
- Blue (86%)



- Red (70%)
- Yellow (79%)
- Blue (87%)



- Cyan (19%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)





- Cyan (30%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9936, 0.2850, 0.3313 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 66.9936, 0.2850, 0.3313 by changing the saturation by 10% instead.

 66.9936, 0.2850,
0.3313

 66.9936, 0.2850,
0.3313


449.9220, 0.2979,
0.3303

 49.0794, 0.2820,
0.3315


 114.9112, 0.2895,
0.3310

 34.6825, 0.2783,
0.3317


145.6835, 0.2913,
0.3309

 23.4184, 0.2736,
0.3320


181.5106, 0.2928,
0.3308

 14.9028, 0.2674,
0.3323

222.7769, 0.2941,
0.3307

 8.7512, 0.2589,
0.3326

269.8667, 0.2952,
0.3306

 4.5792, 0.2464,
0.3329

323.1646, 0.2962,

 2.0026, 0.2266,

0.3305

383.0549, 0.2971,
0.3304

0.3330

0.6090, 0.1307,
0.3468

0.0000, 0.0000,
0.0000

66.9936, 0.2850,
0.3313

66.9936, 0.2850,
0.3313

64.5051, 0.2721,
0.3326

69.9138, 0.2990,
0.3301

62.4197, 0.2606,
0.3341


73.2765, 0.3137,
0.3289


60.7181, 0.2507,
0.3355


77.1022, 0.3289,
0.3279


59.3763, 0.2426,
0.3371


78.8941, 0.3350,
0.3269


 58.3675, 0.2364,
0.3386

 78.9510, 0.3342,
0.3259


 57.6611, 0.2321,
0.3402


 79.0082, 0.3335,
0.3248


 57.2209, 0.2297,
0.3418

 79.0658, 0.3328,
0.3238

 56.9878, 0.2288,
0.3433

 79.1237, 0.3321,
0.3227

 56.9752, 0.2287,
0.3434

 79.1820, 0.3314,
0.3217

Harmonies

Analogous

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



66.9936, 0.2992, 0.3476



66.9936, 0.2850, 0.3313



66.9936, 0.2781, 0.3149

Triad

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



66.9936, 0.2850, 0.3313



66.9936, 0.3072, 0.3014



66.9936, 0.3462, 0.3544

Complementary

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



66.9936, 0.2850, 0.3313



51.1166, 0.3490, 0.3268

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.



66.9936, 0.3486, 0.3415



66.9936, 0.2850, 0.3313



66.9936, 0.3258, 0.3114

Square

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



66.9936, 0.2850, 0.3313



66.9936, 0.2906, 0.2983



66.9936, 0.3411, 0.3258



66.9936, 0.3346, 0.3610

Rectangle

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



66.9936, 0.2850, 0.3313



66.9936, 0.2784, 0.3062



66.9936, 0.3411, 0.3258



66.9936, 0.3481, 0.3506

Sweetspot

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



66.9964, 0.2850, 0.3313



97.1665, 0.3038, 0.3297



65.3437, 0.3117, 0.3818



20.7346, 0.3028, 0.3298



0.0000, 0.0000, 0.0000



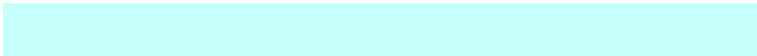
21.4041, 0.3127, 0.3290

Same Dimension

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



66.9964, 0.2850, 0.3313



90.3464, 0.2799, 0.3318



57.4122, 0.2824, 0.3056



15.5606, 0.2988, 0.3301



33.8462, 0.2287, 0.3432



2.3495, 0.2280, 0.3408

Inverse Universe

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



51.1166, 0.3490, 0.3268



65.0265, 0.3582, 0.3263



59.3397, 0.3466, 0.3513



13.7109, 0.3285, 0.3279



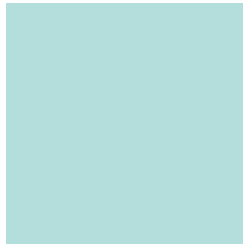
9.2424, 0.6348, 0.3271



0.6444, 0.6199, 0.3189

Previews

White Background



This preview shows how the Yxy color 66.9936, 0.2850, 0.3313 looks on a white background.

Color Contrast Check

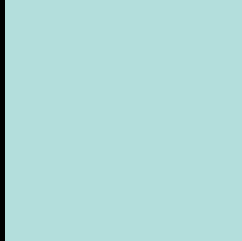
Large Text (above 18pt) WCAG AA × Fail

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 66.9936, 0.2850, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

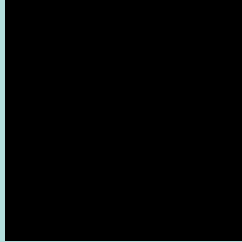
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

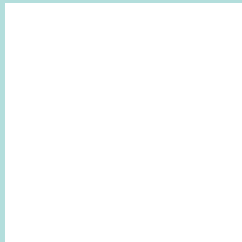
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.9936, 0.2850, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 66.9936, 0.2850, 0.3313.

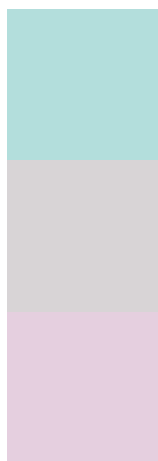


This preview shows how white text looks on a background with the Yxy color 66.9936, 0.2850, 0.3313.

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

66.9936, 0.2850, 0.3313

Protanopia

66.5409, 0.3143, 0.3268

Deuteranopia

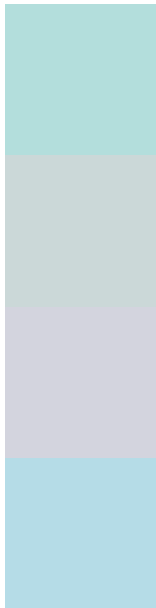
66.6114, 0.3180, 0.3118



Tritanopia

66.7225, 0.2767, 0.3082

Trichromacy



Original Color

66.9936, 0.2850, 0.3313

Protanomaly

66.7661, 0.3034, 0.3290

Deuteranomaly

66.2098, 0.3052, 0.3178

Tritanomaly

66.7797, 0.2797, 0.3161

Monochromacy



Original Color

66.9936, 0.2850, 0.3313

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.9030, 0.3019, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9936, 0.2850, 0.3313 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(179, 222, 220)` looks like.

```
.text, #text, p{  
    color:rgb(179, 222, 220)  
}
```

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(179, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 222, 220) }
```

Border

The CSS property to change the border of an element to Yxy 66.9936, 0.2850, 0.3313 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(179, 222, 220) }
```

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

```
.border{ border-color:rgb(179, 222, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 222, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 222, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 222, 220); box-shadow:4px 4px 4px 4px rgb(179, 222, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9936, 0.2850, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 222, 220) }
```

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

```
.background{ background-color: rgb(179,  
222, 220) }
```

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