

Converting Colors

$Yxy(63.5635, 0.2847, 0.3293)$

Have a look what the booklet for
Yxy(63.5635, 0.2847, 0.3293)
contains.

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Color

Yxy(63.8137, 0.2851, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	B0D9D8
RGB	176, 217, 216
RGB Percent	69%, 85%, 85%
CMY	0.3098, 0.1490, 0.1529
CMYK	0.19, 0.00, 0.00, 0.15
HSL	179°, 35%, 77%
HSV	179°, 19%, 85%
XYZ	55.1145, 63.8137, 74.3881
YIQ	204.6270, -24.1150, -9.0030

Conversions

Conversions Part 2

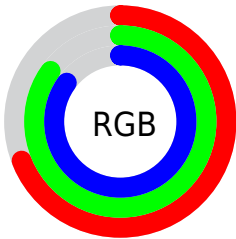
Format	Color
RYB	176, 197, 217
Decimal	11590104
CIELab	83.87, -13.52, -3.96
CIELCh	84, 14.091, 196.324
Yxy	63.8137, 0.2851, 0.3301
Android (android.graphics.Color)	4289780184 (0xFFB0D9D8)
YUV	204.6270, 5.6069, -25.1059
Hunter-Lab	79.8835, -16.6426, 0.7071

Details

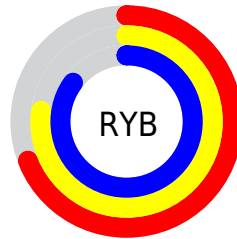
The Yxy color **63.8137, 0.2851, 0.3301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.9798, 0.3487, 0.3279**, and the grayscale version is **60.7791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **32.6248, 0.2788, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **61.4586, 0.2719, 0.3308**, and if you desaturate by 10%, it is **66.5785, 0.2994, 0.3295**.

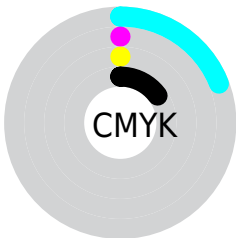
Distribution



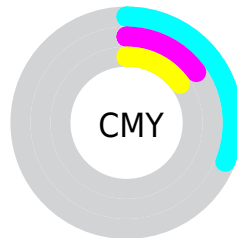
- Red (69%)
- Green (85%)
- Blue (85%)



- Red (69%)
- Yellow (77%)
- Blue (85%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)





- Cyan (31%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8137, 0.2851, 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 63.8137, 0.2851, 0.3301 by changing the saturation by 10% instead.

 63.8137, 0.2851,
0.3301

 63.8137, 0.2851,
0.3301


438.5166, 0.2981,
0.3297

 46.4998, 0.2821,
0.3302

 110.3426, 0.2897,
0.3300

 32.6404, 0.2783,
0.3302


140.3264, 0.2914,
0.3299

 21.8511, 0.2735,
0.3303


175.3022, 0.2929,
0.3299

 13.7475, 0.2671,
0.3303

215.6546, 0.2942,
0.3298

 7.9453, 0.2583,
0.3302

261.7678, 0.2954,
0.3298

 4.0600, 0.2452,
0.3299

314.0262, 0.2964,

 1.7072, 0.2240,

0.3298

0.3288

372.8144, 0.2973,
0.3297

0.4283, 0.0616,
0.3430

0.0000, 0.0000,
0.0000

63.8137, 0.2851,
0.3301

63.8137, 0.2851,
0.3301

61.4586, 0.2719,
0.3308

66.5785, 0.2994,
0.3295

59.4862, 0.2601,
0.3315

69.7629, 0.3144,
0.3289

57.8782, 0.2500,
0.3322

73.3865, 0.3300,
0.3284

56.6121, 0.2416,
0.3330

75.9540, 0.3399,
0.3280

■ 55.6627, 0.2352,
0.3337

■ 75.9813, 0.3395,
0.3274

■ 55.0013, 0.2307,
0.3345

■ 76.0088, 0.3392,
0.3269

■ 54.5940, 0.2280,
0.3353

■ 76.0364, 0.3388,
0.3264

■ 54.3877, 0.2268,
0.3361

■ 76.0640, 0.3384,
0.3259

■ 54.3692, 0.2267,
0.3361

■ 76.0917, 0.3381,
0.3253

Harmonies

Analogous

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



63.8137, 0.2985, 0.3461



63.8137, 0.2851, 0.3301



63.8137, 0.2790, 0.3143

Triad

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



63.8137, 0.2851, 0.3301



63.8137, 0.3086, 0.3027



63.8137, 0.3447, 0.3544

Complementary

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



63.8137, 0.2851, 0.3301



48.9798, 0.3487, 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.



63.8137, 0.3477, 0.3421



63.8137, 0.2851, 0.3301



63.8137, 0.3265, 0.3128

Square

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



63.8137, 0.2851, 0.3301



63.8137, 0.2922, 0.2991



63.8137, 0.3410, 0.3270



63.8137, 0.3330, 0.3602

Rectangle

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



63.8137, 0.2851, 0.3301



63.8137, 0.2797, 0.3062



63.8137, 0.3410, 0.3270



63.8137, 0.3468, 0.3508

Sweetspot

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



63.8163, 0.2851, 0.3301



97.1891, 0.3036, 0.3293



62.1526, 0.3113, 0.3803



20.7399, 0.3026, 0.3294



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.



63.8163, 0.2851, 0.3301



90.4323, 0.2793, 0.3304



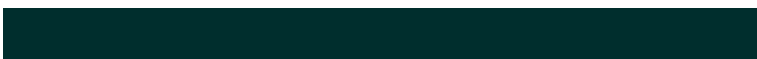
54.5702, 0.2832, 0.3054



14.8239, 0.2986, 0.3295



32.9140, 0.2267, 0.3360



2.1341, 0.2263, 0.3348

Inverse Universe

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



48.9798, 0.3487, 0.3279



64.9641, 0.3593, 0.3277



56.9791, 0.3455, 0.3515



13.0566, 0.3288, 0.3285



8.9390, 0.6373, 0.3285



0.5809, 0.6291, 0.3239

Previews

White Background



This preview shows how the Yxy color 63.8137, 0.2851, 0.3301 looks on a white background.

Color Contrast Check

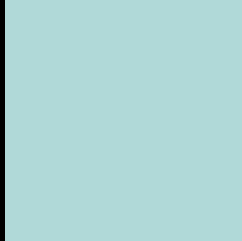
Large Text (above 18pt) WCAG AA × Fail

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 63.8137, 0.2851, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

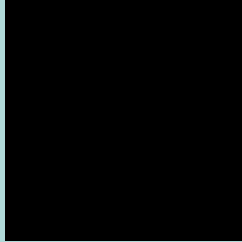
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

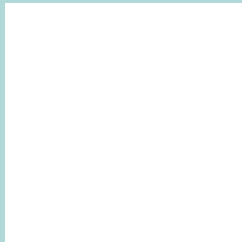
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8137, 0.2851, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 63.8137, 0.2851, 0.3301.

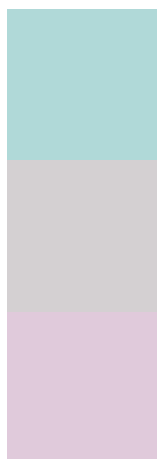


This preview shows how white text looks on a background with the Yxy color 63.8137, 0.2851, 0.3301.

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



Original Color

63.8137, 0.2851, 0.3301

Protanopia

63.7619, 0.3143, 0.3267

Deuteranopia

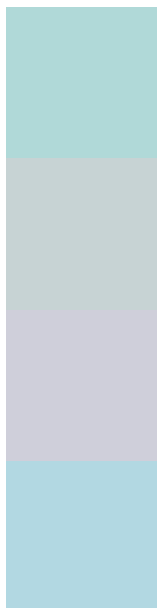
63.2028, 0.3174, 0.3103



Tritanopia

64.0108, 0.2774, 0.3090

Trichromacy



Original Color

63.8137, 0.2851, 0.3301

Protanomaly

63.4841, 0.3033, 0.3278

Deuteranomaly

62.9530, 0.3051, 0.3165

Tritanomaly

64.0677, 0.2804, 0.3171

Monochromacy



Original Color

63.8137, 0.2851, 0.3301

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.6737, 0.3017, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8137, 0.2851, 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(176, 217, 216)` looks like.

```
.text, #text, p{  
    color:rgb(176, 217, 216)  
}
```

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(176, 217, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 217, 216) }
```

Border

The CSS property to change the border of an element to Yxy 63.8137, 0.2851, 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(176, 217, 216) }
```

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

```
.border{ border-color:rgb(176, 217, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 217, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 217, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 217, 216);  
box-shadow:4px 4px 4px 4px rgb(176, 217,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8137, 0.2851, 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(176, 217, 216) }
```

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

```
.background{ background-color: rgb(176,  
217, 216) }
```

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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