

Converting Colors

$Yxy(63.6184, 0.2822, 0.3137)$

Have a look what the booklet for
Yxy(63.6184, 0.2822, 0.3137)
contains.

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Color

Yxy(63.5843, 0.2822, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	B6D6E3
RGB	182, 214, 227
RGB Percent	71%, 84%, 89%
CMY	0.2863, 0.1608, 0.1099
CMYK	0.20, 0.06, 0.00, 0.11
HSL	197°, 45%, 80%
HSV	197°, 20%, 89%
XYZ	57.1995, 63.5843, 81.9076
YIQ	205.9140, -23.2450, -2.7410

Conversions

Conversions Part 2

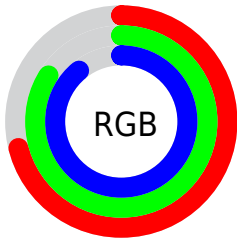
Format	Color
R_{YB}	182, 201, 227
Decimal	11982563
CIE _{Lab}	83.75, -7.81, -9.91
CIE _{LCh}	84, 12.622, 231.754
Yxy	63.5843, 0.2822, 0.3137
Android (android.graphics.Color)	4290172643 (0xFFB6D6E3)
YUV	205.9140, 10.3954, -20.9726
Hunter-Lab	79.7398, -11.5016, -5.0840

Details

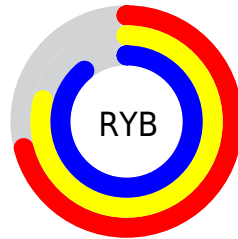
The Yxy color **63.5843, 0.2822, 0.3137** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.7170, 0.3491, 0.3438**, and the grayscale version is **61.6076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **32.3640, 0.2741, 0.3086** is the 20% darker color. If you saturate the color by 10%, you get **57.7984, 0.2671, 0.3049**, and if you desaturate by 10%, it is **69.9563, 0.2976, 0.3218**.

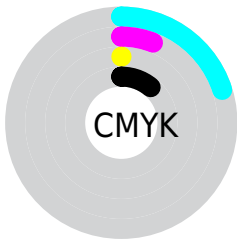
Distribution



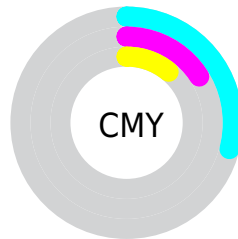
- Red (71%)
- Green (84%)
- Blue (89%)



- Red (71%)
- Yellow (79%)
- Blue (89%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5843, 0.2822, 0.3137 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 63.5843, 0.2822, 0.3137 by changing the saturation by 10% instead.

■ 63.5843, 0.2822,
0.3137

■ 63.5843, 0.2822,
0.3137

437.6869, 0.2965,
0.3211

■ 46.3141, 0.2789,
0.3119

■ 110.0120, 0.2872,
0.3163

■ 32.4937, 0.2747,
0.3097

139.9383, 0.2891,
0.3173

■ 21.7389, 0.2695,
0.3068

174.8521, 0.2908,
0.3182

■ 13.6652, 0.2625,
0.3029

215.1378, 0.2923,
0.3189

■ 7.8882, 0.2529,
0.2974

261.1797, 0.2935,
0.3196

■ 4.0235, 0.2389,
0.2891

313.3622, 0.2946,

■ 1.6867, 0.2164,

0.3201

0.2749

372.0699, 0.2956,
0.3206

0.4150, 0.1148,
0.2338

0.0000, 0.0000,
0.0000

63.5843, 0.2822,
0.3137

63.5843, 0.2822,
0.3137

57.7984, 0.2671,
0.3049

69.9563, 0.2976,
0.3218

52.5676, 0.2527,
0.2954

76.9282, 0.3130,
0.3291

47.8697, 0.2394,
0.2853

84.5229, 0.3282,
0.3357

43.6776, 0.2273,
0.2747

89.2281, 0.3309,
0.3420

■ 39.9611, 0.2170,
0.2638

■ 93.1534, 0.3301,
0.3484

■ 36.6862, 0.2086,
0.2529

■ 97.2190, 0.3294,
0.3546

■ 33.8124, 0.2022,
0.2419

■ 98.3243, 0.3292,
0.3562

■ 31.2724, 0.1976,
0.2312

■ 31.2264, 0.1975,
0.2310

Harmonies

Analogous

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



63.5843, 0.2864, 0.3273



63.5843, 0.2822, 0.3137



63.5843, 0.2859, 0.3047

Triad

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



63.5843, 0.2822, 0.3137



63.5843, 0.3278, 0.3165



63.5843, 0.3284, 0.3570

Complementary

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



63.5843, 0.2822, 0.3137



58.7170, 0.3491, 0.3438

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.



63.5843, 0.3400, 0.3532



63.5843, 0.2822, 0.3137



63.5843, 0.3397, 0.3297

Square

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



63.5843, 0.2822, 0.3137



63.5843, 0.3120, 0.3066



63.5843, 0.3442, 0.3431



63.5843, 0.3128, 0.3529

Rectangle

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



63.5843, 0.2822, 0.3137



63.5843, 0.2925, 0.3023



63.5843, 0.3442, 0.3431



63.5843, 0.3329, 0.3566

Sweetspot

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



63.5869, 0.2822, 0.3137



94.4313, 0.3034, 0.3247



68.7949, 0.3023, 0.3676



20.0862, 0.3024, 0.3242



0.0000, 0.0000, 0.0000



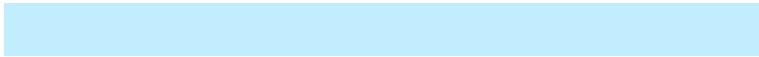
21.4041, 0.3127, 0.3290

Same Dimension

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



63.5869, 0.2822, 0.3137



79.4401, 0.2756, 0.3100



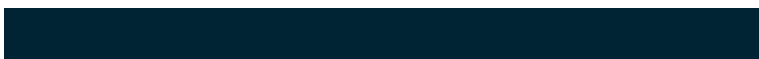
53.0772, 0.2805, 0.2866



15.5976, 0.2981, 0.3221



18.4263, 0.1980, 0.2326



1.5190, 0.2023, 0.2483

Inverse Universe

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



54.6382, 0.3252, 0.2935



65.8901, 0.3285, 0.2854



69.4456, 0.3444, 0.3681



14.5407, 0.3182, 0.3124



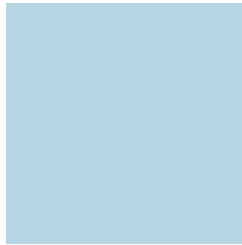
11.0579, 0.4099, 0.2032



0.8330, 0.3939, 0.1943

Previews

White Background



This preview shows how the Yxy color 63.5843, 0.2822, 0.3137 looks on a white background.

Color Contrast Check

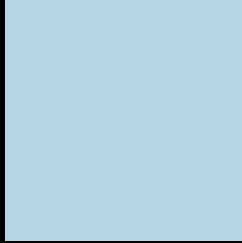
Large Text (above 18pt) WCAG AA × Fail

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 63.5843, 0.2822, 0.3137 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

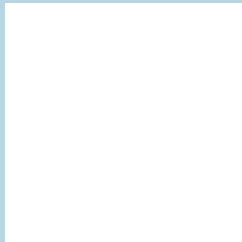
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.5843, 0.2822, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 63.5843, 0.2822, 0.3137.

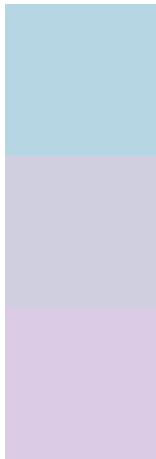


This preview shows how white text looks on a background with the Yxy color 63.5843, 0.2822, 0.3137.

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

63.5843, 0.2822, 0.3137

Protanopia

63.3633, 0.3025, 0.3109

Deuteranopia

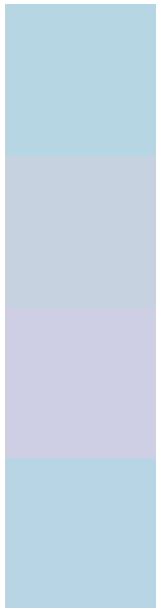
63.4291, 0.3065, 0.3005



Tritanopia

63.3690, 0.2810, 0.3091

Trichromacy



Original Color

63.5843, 0.2822, 0.3137

Protanomaly

63.6171, 0.2954, 0.3129

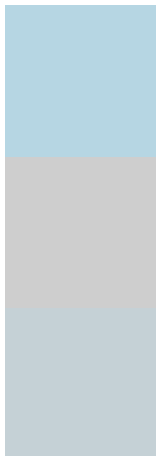
Deuteranomaly

63.3489, 0.2977, 0.3053

Tritanomaly

63.3129, 0.2816, 0.3102

Monochromacy



Original Color

63.5843, 0.2822, 0.3137

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.3263, 0.3005, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5843, 0.2822, 0.3137 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(182, 214, 227)` looks like.

```
.text, #text, p{  
    color:rgb(182, 214, 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(182, 214, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 214, 227) }
```

Border

The CSS property to change the border of an element to Yxy 63.5843, 0.2822, 0.3137 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(182, 214, 227) }
```

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

```
.border{ border-color:rgb(182, 214, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 214, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 214, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 214, 227);  
box-shadow:4px 4px 4px 4px rgb(182, 214,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5843, 0.2822, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 214, 227) }
```

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

```
.background{ background-color: rgb(182,  
214, 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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