

Converting Colors

$Yxy(63.6404, 0.2856, 0.3135)$

Have a look what the booklet for
Yxy(63.6404, 0.2856, 0.3135)
contains.

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Color

Yxy(63.6443, 0.2860, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	BBD5E2
RGB	187, 213, 226
RGB Percent	73%, 84%, 89%
CMY	0.2668, 0.1646, 0.1138
CMYK	0.17, 0.06, 0.00, 0.11
HSL	200°, 40%, 81%
HSV	200°, 17%, 89%
XYZ	58.0060, 63.6443, 81.1678
YIQ	206.7080, -19.6690, -1.4690

Conversions

Conversions Part 2

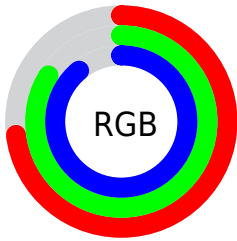
Format	Color
RYB	187, 203, 226
Decimal	12309986
CIELab	83.78, -5.97, -9.31
CIELCh	84, 11.062, 237.310
Yxy	63.6443, 0.2860, 0.3138
Android (android.graphics.Color)	4290500066 (0xFFBBD5E2)
YUV	206.7080, 9.5110, -17.2839
Hunter-Lab	79.7774, -9.8234, -4.4792

Details

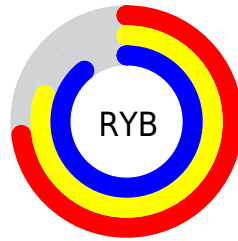
The Yxy color **63.6443, 0.2860, 0.3138** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.0287, 0.3434, 0.3437**, and the grayscale version is **62.1432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **32.3805, 0.2789, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **57.3267, 0.2706, 0.3038**, and if you desaturate by 10%, it is **70.5906, 0.3015, 0.3229**.

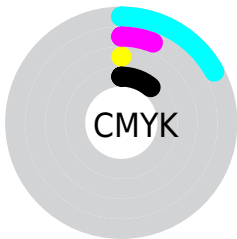
Distribution



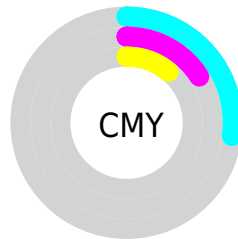
- Red (73%)
- Green (84%)
- Blue (89%)



- Red (73%)
- Yellow (80%)
- Blue (89%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)



- Cyan (27%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6443, 0.2860, 0.3138 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 63.6443, 0.2860, 0.3138 by changing the saturation by 10% instead.

■ 63.6443, 0.2860,
0.3138

■ 63.6443, 0.2860,
0.3138

437.9040, 0.2986,
0.3211

■ 46.3626, 0.2831,
0.3121

■ 110.0985, 0.2904,
0.3164

■ 32.5321, 0.2795,
0.3099

140.0398, 0.2921,
0.3174

■ 21.7682, 0.2748,
0.3071

174.9699, 0.2936,
0.3182

■ 13.6867, 0.2687,
0.3033

215.2730, 0.2948,
0.3190

■ 7.9031, 0.2602,
0.2980

261.3335, 0.2959,
0.3196

■ 4.0330, 0.2477,
0.2899

313.5360, 0.2969,

■ 1.6920, 0.2277,

0.3202

0.2763

372.2647, 0.2978,
0.3207

0.4185, 0.1412,
0.2346

0.0000, 0.0000,
0.0000

63.6443, 0.2860,
0.3138

63.6443, 0.2860,
0.3138

57.3267, 0.2706,
0.3038

70.5906, 0.3015,
0.3229

51.6066, 0.2556,
0.2929

78.1796, 0.3169,
0.3312

46.4617, 0.2415,
0.2813

86.4345, 0.3319,
0.3385

41.8649, 0.2285,
0.2691

90.8858, 0.3312,
0.3458

■ 37.7863, 0.2170,
0.2565

■ 95.4747, 0.3303,
0.3530

■ 34.1925, 0.2074,
0.2437

■ 98.2702, 0.3298,
0.3572

■ 31.0444, 0.1999,
0.2309

■ 28.2913, 0.1944,
0.2184

■ 27.5862, 0.1931,
0.2150

Harmonies

Analogous

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



63.6443, 0.2884, 0.3252



63.6443, 0.2860, 0.3138



63.6443, 0.2906, 0.3068

Triad

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



63.6443, 0.2860, 0.3138



63.6443, 0.3283, 0.3201



63.6443, 0.3241, 0.3534

Complementary

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



63.6443, 0.2860, 0.3138



61.0287, 0.3434, 0.3437

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.



63.6443, 0.3352, 0.3514



63.6443, 0.2860, 0.3138



63.6443, 0.3376, 0.3320

Square

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



63.6443, 0.2860, 0.3138



63.6443, 0.3148, 0.3106



63.6443, 0.3402, 0.3434



63.6443, 0.3102, 0.3485

Rectangle

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



63.6443, 0.2860, 0.3138



63.6443, 0.2970, 0.3054



63.6443, 0.3402, 0.3434



63.6443, 0.3283, 0.3535

Sweetspot

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



63.6469, 0.2860, 0.3138



94.9878, 0.3050, 0.3248



69.0833, 0.3028, 0.3605



20.1842, 0.3039, 0.3242



0.0000, 0.0000, 0.0000



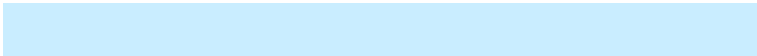
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6469, 0.2860, 0.3138



80.3864, 0.2800, 0.3100



54.6849, 0.2849, 0.2911



14.7647, 0.2982, 0.3210



15.9665, 0.1936, 0.2170



1.2690, 0.1990, 0.2362

Inverse Universe

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



56.4953, 0.3247, 0.3001



69.3698, 0.3279, 0.2933



70.3277, 0.3399, 0.3643



13.8541, 0.3188, 0.3135



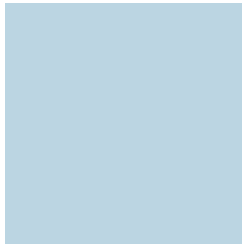
10.5199, 0.4265, 0.2123



0.7456, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 63.6443, 0.2860, 0.3138 looks on a white background.

Color Contrast Check

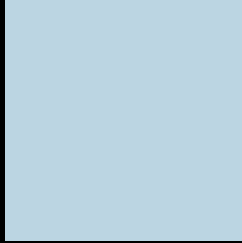
Large Text (above 18pt) WCAG AA × Fail

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 63.6443, 0.2860, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

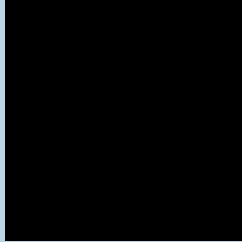
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

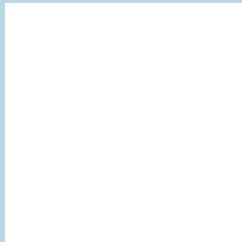
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6443, 0.2860, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 63.6443, 0.2860, 0.3138.

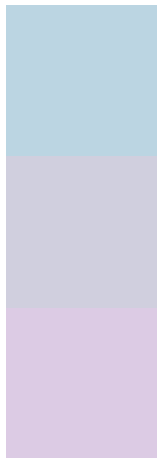


This preview shows how white text looks on a background with the Yxy color 63.6443, 0.2860, 0.3138.

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

63.6443, 0.2860, 0.3138

Protanopia

63.3095, 0.3031, 0.3120

Deuteranopia

63.5290, 0.3080, 0.3016



Tritanopia

63.4355, 0.2848, 0.3092

Trichromacy



Original Color

63.6443, 0.2860, 0.3138

Protanomaly

63.2080, 0.2967, 0.3129

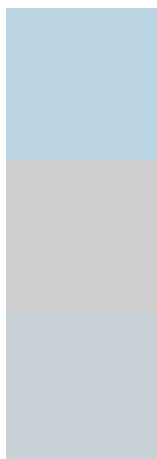
Deuteranomaly

63.5816, 0.2998, 0.3065

Tritanomaly

63.3798, 0.2854, 0.3103

Monochromacy



Original Color

63.6443, 0.2860, 0.3138

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.7353, 0.3027, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6443, 0.2860, 0.3138 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(187, 213, 226)` looks like.

```
.text, #text, p{  
    color:rgb(187, 213, 226)  
}
```

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(187, 213, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 213, 226) }
```

Border

The CSS property to change the border of an element to Yxy 63.6443, 0.2860, 0.3138 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(187, 213, 226) }
```

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

```
.border{ border-color:rgb(187, 213, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 213, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 213, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 213, 226); box-shadow:4px 4px 4px 4px rgb(187, 213, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6443, 0.2860, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 213, 226) }
```

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

```
.background{ background-color: rgb(187,  
213, 226) }
```

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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