

Converting Colors

Yxy(64.3133, 0.2865, 0.3141)

Have a look what the booklet for
Yxy(64.3133, 0.2865, 0.3141)
contains.

Yxy(64.3306, 0.2861, 0.3138)	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(64.3306, 0.2861, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	BCD6E3
RGB	188, 214, 227
RGB Percent	74%, 84%, 89%
CMY	0.2628, 0.1608, 0.1097
CMYK	0.17, 0.06, 0.00, 0.11
HSL	200°, 41%, 81%
HSV	200°, 17%, 89%
XYZ	58.6520, 64.3306, 82.0225
YIQ	207.7080, -19.6690, -1.4690

Conversions

Conversions Part 2

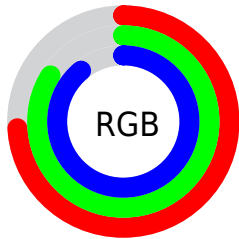
Format	Color
R _Y B	188, 204, 227
Decimal	12375779
CIE Lab	84.14, -5.95, -9.33
CIE LCh	84, 11.062, 237.484
Yxy	64.3306, 0.2861, 0.3138
Android (android.graphics.Color)	4290565859 (0xFFBCD6E3)
YUV	207.7080, 9.5110, -17.2839
Hunter-Lab	80.2064, -9.8306, -4.4881

Details

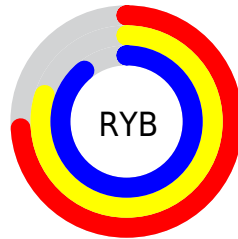
The Yxy color **64.3306, 0.2861, 0.3138** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.7489, 0.3432, 0.3437**, and the grayscale version is **62.8258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **32.8432, 0.2791, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **57.9269, 0.2707, 0.3037**, and if you desaturate by 10%, it is **71.3716, 0.3016, 0.3230**.

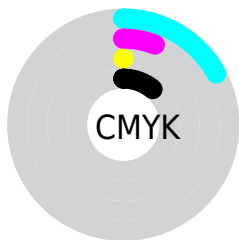
Distribution



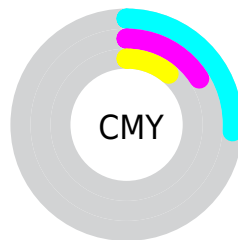
- Red (74%)
- Green (84%)
- Blue (89%)



- Red (74%)
- Yellow (80%)
- Blue (89%)



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



- Cyan (26%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3306, 0.2861, 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 64.3306, 0.2861, 0.3138 by changing the saturation by 10% instead.

■ 64.3306, 0.2861,
0.3138

■ 64.3306, 0.2861,
0.3138

440.3825, 0.2986,
0.3211

■ 46.9185, 0.2832,
0.3121

■ 111.0869, 0.2905,
0.3164

■ 32.9712, 0.2796,
0.3099

141.1999, 0.2922,
0.3174

■ 22.1044, 0.2750,
0.3071

176.3153, 0.2936,
0.3182

■ 13.9336, 0.2689,
0.3034

216.8176, 0.2949,
0.3189

■ 8.0745, 0.2606,
0.2981

263.0910, 0.2960,
0.3196

■ 4.1427, 0.2483,
0.2901

315.5200, 0.2969,

■ 1.7537, 0.2286,

0.3201

0.2768

374.4891, 0.2978,
0.3206

0.4581, 0.1518,
0.2396

0.0000, 0.0000,
0.0000

64.3306, 0.2861,
0.3138

64.3306, 0.2861,
0.3138

57.9269, 0.2707,
0.3037

71.3716, 0.3016,
0.3230

52.1289, 0.2557,
0.2929

79.0639, 0.3170,
0.3312

46.9140, 0.2415,
0.2812

87.2222, 0.3312,
0.3386

42.2549, 0.2285,
0.2689

91.6961, 0.3304,
0.3460

■ 38.1212, 0.2170,
0.2563

■ 96.3575, 0.3295,
0.3532

■ 34.4791, 0.2074,
0.2434

■ 98.3279, 0.3291,
0.3562

■ 31.2891, 0.1998,
0.2306

■ 28.5003, 0.1943,
0.2179

■ 27.7682, 0.1929,
0.2144

Harmonies

Analogous

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



64.3306, 0.2885, 0.3252



64.3306, 0.2861, 0.3138



64.3306, 0.2907, 0.3069

Triad

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



64.3306, 0.2861, 0.3138



64.3306, 0.3283, 0.3202



64.3306, 0.3240, 0.3533

Complementary

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



64.3306, 0.2861, 0.3138



61.7489, 0.3432, 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.



64.3306, 0.3350, 0.3513



64.3306, 0.2861, 0.3138



64.3306, 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.



64.3306, 0.2861, 0.3138



64.3306, 0.3149, 0.3107



64.3306, 0.3401, 0.3434



64.3306, 0.3101, 0.3484

Rectangle

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



64.3306, 0.2861, 0.3138



64.3306, 0.2971, 0.3055



64.3306, 0.3401, 0.3434



64.3306, 0.3282, 0.3534

Sweetspot

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



64.3333, 0.2861, 0.3138



94.9768, 0.3050, 0.3248



69.8641, 0.3025, 0.3596



20.1816, 0.3039, 0.3242



0.0000, 0.0000, 0.0000



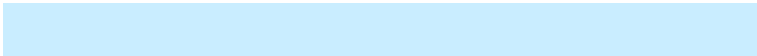
21.4041, 0.3127, 0.3290

Same Dimension

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



64.3333, 0.2861, 0.3138



80.3435, 0.2800, 0.3100



55.0429, 0.2850, 0.2904



15.4835, 0.2981, 0.3210



16.4120, 0.1934, 0.2163



1.3820, 0.1985, 0.2347

Inverse Universe

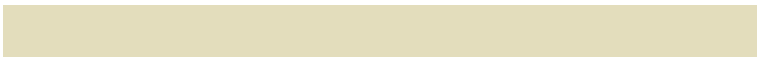
The Inverse Universe completely reimagines the original color for something new.



57.1535, 0.3247, 0.3002



69.3654, 0.3280, 0.2934



71.4301, 0.3397, 0.3648



14.5292, 0.3189, 0.3135



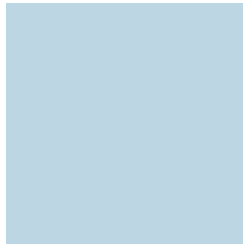
10.8545, 0.4272, 0.2127



0.8192, 0.4077, 0.2020

Previews

White Background



This preview shows how the Yxy color 64.3306, 0.2861, 0.3138 looks on a white background.

Color Contrast Check

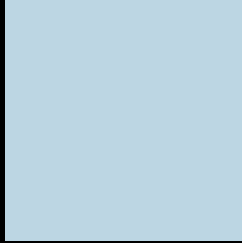
Large Text (above 18pt) WCAG AA × Fail

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 64.3306, 0.2861, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

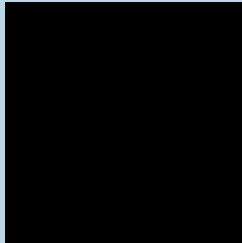
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

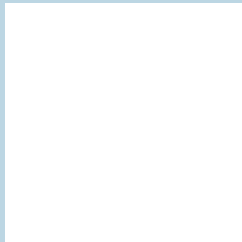
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3306, 0.2861, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 64.3306, 0.2861, 0.3138.

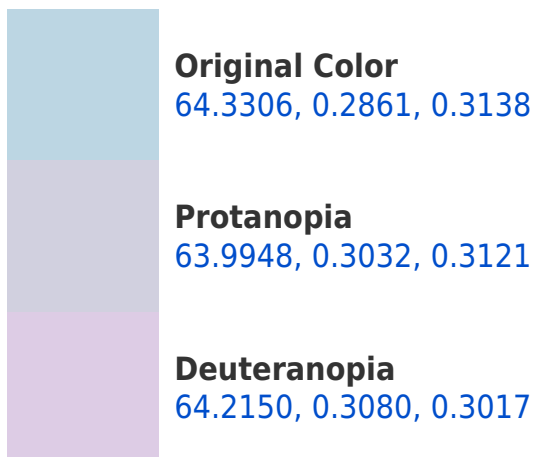


This preview shows how white text looks on a background with the Yxy color 64.3306, 0.2861, 0.3138.

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





Tritanopia

64.1205, 0.2849, 0.3093

Trichromacy



Original Color

64.3306, 0.2861, 0.3138

Protanomaly

63.8925, 0.2968, 0.3130

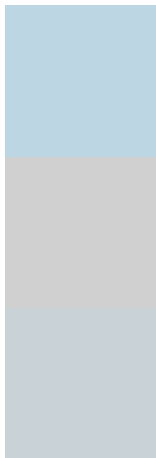
Deuteranomaly

64.2685, 0.2999, 0.3066

Tritanomaly

64.0645, 0.2855, 0.3104

Monochromacy



Original Color

64.3306, 0.2861, 0.3138

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.4170, 0.3027, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3306, 0.2861, 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(188, 214, 227)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 214, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 214, 227) }
```

Border

The CSS property to change the border of an element to Yxy 64.3306, 0.2861, 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(188, 214, 227) }
```

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

```
.border{ border-color:rgb(188, 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(188, 214, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 214, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 214, 227);  
box-shadow:4px 4px 4px 4px rgb(188, 214,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3306, 0.2861, 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(188, 214, 227) }
```

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

```
.background{ background-color: rgb(188,  
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](#).

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