

Converting Colors

$Yxy(68.7016, 0.2821, 0.3165)$

Have a look what the booklet for
Yxy(68.7016, 0.2821, 0.3165)
contains.

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Color

Yxy(68.5648, 0.2818, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	BADEE9
RGB	186, 222, 233
RGB Percent	73%, 87%, 91%
CMY	0.2705, 0.1294, 0.0862
CMYK	0.20, 0.05, 0.00, 0.09
HSL	194°, 52%, 82%
HSV	194°, 20%, 91%
XYZ	61.0862, 68.5648, 87.1204
YIQ	212.4900, -24.9870, -4.2110

Conversions

Conversions Part 2

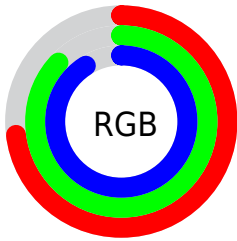
Format	Color
R _Y B	186, 206, 233
Decimal	12246761
CIE Lab	86.29, -9.41, -9.31
CIE LCh	86, 13.238, 224.720
Yxy	68.5648, 0.2818, 0.3163
Android (android.graphics.Color)	4290436841 (0xFFBADEE9)
YUV	212.4900, 10.1114, -23.2317
Hunter-Lab	82.8039, -13.2235, -4.4181

Details

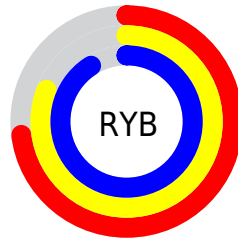
The Yxy color **68.5648, 0.2818, 0.3163** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.8315, 0.3505, 0.3413**, and the grayscale version is **66.1307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **35.7173, 0.2747, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **63.0252, 0.2671, 0.3091**, and if you desaturate by 10%, it is **74.6801, 0.2970, 0.3229**.

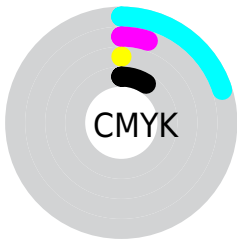
Distribution



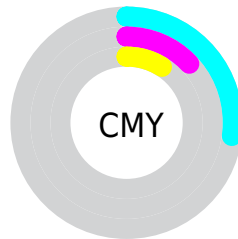
- Red (73%)
- Green (87%)
- Blue (91%)



- Red (73%)
- Yellow (81%)
- Blue (91%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5648, 0.2818, 0.3163 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 68.5648, 0.2818, 0.3163 by changing the saturation by 10% instead.

■ 68.5648, 0.2818,
0.3163

■ 68.5648, 0.2818,
0.3163

455.4945, 0.2961,
0.3224

■ 50.3574, 0.2785,
0.3149

■ 117.1598, 0.2868,
0.3185

■ 35.6974, 0.2745,
0.3130

148.3161, 0.2887,
0.3193

■ 24.2006, 0.2694,
0.3107

184.5575, 0.2904,
0.3200

■ 15.4825, 0.2627,
0.3076

226.2684, 0.2918,
0.3206

■ 9.1587, 0.2535,
0.3031

273.8331, 0.2931,
0.3211

■ 4.8448, 0.2404,
0.2965

327.6361, 0.2942,

■ 2.1565, 0.2200,

0.3216

0.2855

388.0618, 0.2952,
0.3220

0.6961, 0.1656,
0.2668

0.0000, 0.0000,
0.0000

68.5648, 0.2818,
0.3163

68.5648, 0.2818,
0.3163

63.0252, 0.2671,
0.3091

74.6801, 0.2970,
0.3229

58.0290, 0.2532,
0.3014

81.3851, 0.3125,
0.3289

53.5531, 0.2405,
0.2933

88.5255, 0.3272,
0.3343

49.5693, 0.2292,
0.2848

91.7648, 0.3267,
0.3396

■ 46.0462, 0.2197,
0.2761

■ 95.1017, 0.3261,
0.3449

■ 42.9479, 0.2122,
0.2674

■ 98.5370, 0.3256,
0.3501

■ 40.2320, 0.2067,
0.2586

■ 98.6644, 0.3256,
0.3503

■ 37.8636, 0.2028,
0.2502

Harmonies

Analogous

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



68.5648, 0.2879, 0.3309



68.5648, 0.2818, 0.3163



68.5648, 0.2837, 0.3057

Triad

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



68.5648, 0.2818, 0.3163



68.5648, 0.3246, 0.3135



68.5648, 0.3321, 0.3575

Complementary

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



68.5648, 0.2818, 0.3163



60.8315, 0.3505, 0.3413

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.



68.5648, 0.3424, 0.3518



68.5648, 0.2818, 0.3163



68.5648, 0.3381, 0.3264

Square

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



68.5648, 0.2818, 0.3163



68.5648, 0.3081, 0.3045



68.5648, 0.3447, 0.3404



68.5648, 0.3167, 0.3552

Rectangle

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



68.5648, 0.2818, 0.3163



68.5648, 0.2893, 0.3022



68.5648, 0.3447, 0.3404



68.5648, 0.3363, 0.3564

Sweetspot

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



68.5676, 0.2818, 0.3163



94.9437, 0.3034, 0.3255



72.7638, 0.3035, 0.3713



20.2075, 0.3024, 0.3251



0.0000, 0.0000, 0.0000



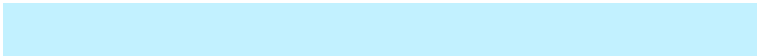
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5676, 0.2818, 0.3163



81.3609, 0.2759, 0.3135



56.9725, 0.2800, 0.2885



16.4879, 0.2981, 0.3233



21.6792, 0.2032, 0.2515



1.8470, 0.2065, 0.2635

Inverse Universe

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



57.7314, 0.3235, 0.2902



66.0840, 0.3260, 0.2823



72.3179, 0.3456, 0.3664



15.2498, 0.3174, 0.3111



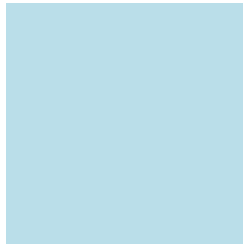
11.6813, 0.3907, 0.1926



0.9319, 0.3790, 0.1862

Previews

White Background



This preview shows how the Yxy color 68.5648, 0.2818, 0.3163 looks on a white background.

Color Contrast Check

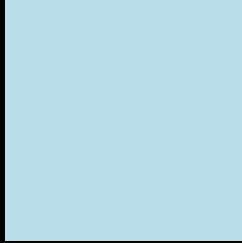
Large Text (above 18pt) WCAG AA × Fail

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 68.5648, 0.2818, 0.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

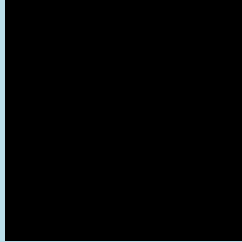
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5648, 0.2818, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 68.5648, 0.2818, 0.3163.

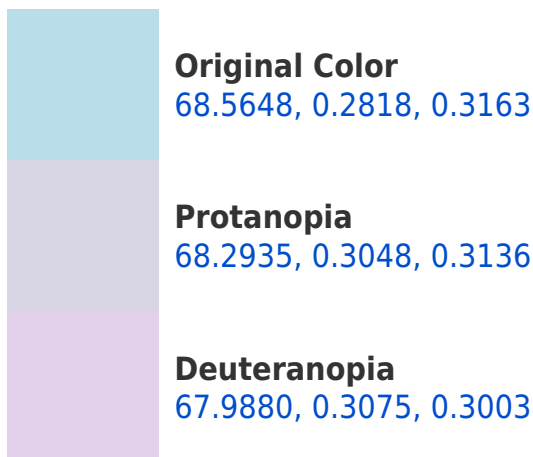


This preview shows how white text looks on a background with the Yxy color 68.5648, 0.2818, 0.3163.

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

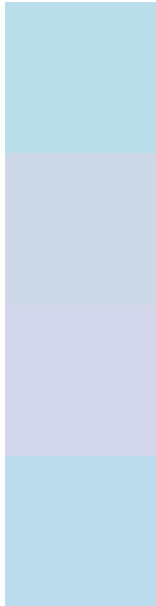




Tritanopia

68.5097, 0.2789, 0.3085

Trichromacy



Original Color

68.5648, 0.2818, 0.3163

Protanomaly

68.3180, 0.2958, 0.3145

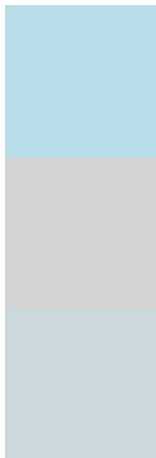
Deuteranomaly

68.0883, 0.2975, 0.3060

Tritanomaly

68.3921, 0.2800, 0.3107

Monochromacy



Original Color

68.5648, 0.2818, 0.3163

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.9756, 0.3008, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5648, 0.2818, 0.3163 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(186, 222, 233)` looks like.

```
.text, #text, p{  
    color:rgb(186, 222, 233)  
}
```

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(186, 222, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 222, 233) }
```

Border

The CSS property to change the border of an element to Yxy 68.5648, 0.2818, 0.3163 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(186, 222, 233) }
```

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

```
.border{ border-color:rgb(186, 222, 233) }
```

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

Here you see how a box with a 4 pixel rgb(186, 222, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 222, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 222, 233);  
box-shadow:4px 4px 4px 4px rgb(186, 222,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5648, 0.2818, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 222, 233) }
```

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

```
.background{ background-color: rgb(186,  
222, 233) }
```

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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