

Converting Colors

$Yxy(64.9718, 0.2876, 0.3220)$

Have a look what the booklet for
Yxy(64.9718, 0.2876, 0.3220)
contains.

Yxy(64.8248, 0.2880, 0.3219)	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(64.8248, 0.2880, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	BAD8DE
RGB	186, 216, 222
RGB Percent	73%, 85%, 87%
CMY	0.2704, 0.1530, 0.1294
CMYK	0.16, 0.03, 0.00, 0.13
HSL	190°, 35%, 80%
HSV	190°, 16%, 87%
XYZ	57.9980, 64.8248, 78.5590
YIQ	207.7140, -19.8060, -4.4940

Conversions

Conversions Part 2

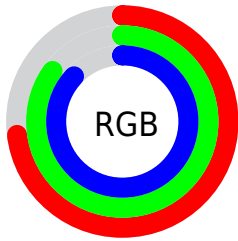
Format	Color
R _{YB}	186, 202, 222
Decimal	12245214
CIE Lab	84.39, -8.64, -6.29
CIE LCh	84, 10.684, 216.059
Yxy	64.8248, 0.2880, 0.3219
Android (android.graphics.Color)	4290435294 (0xFFBAD8DE)
YUV	207.7140, 7.0430, -19.0432
Hunter-Lab	80.5138, -12.3172, -1.4908

Details

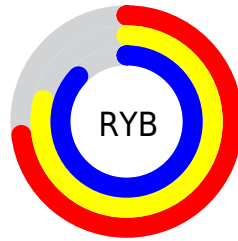
The Yxy color **64.8248, 0.2880, 0.3219** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.7970, 0.3422, 0.3360**, and the grayscale version is **62.8512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **33.1853, 0.2815, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **60.3810, 0.2734, 0.3170**, and if you desaturate by 10%, it is **69.7488, 0.3032, 0.3264**.

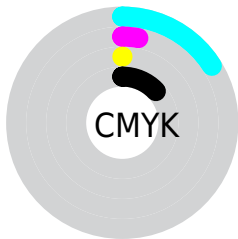
Distribution



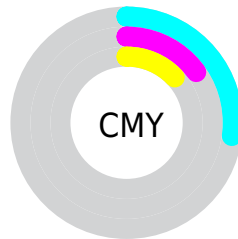
- Red (73%)
- Green (85%)
- Blue (87%)



- Red (73%)
- Yellow (79%)
- Blue (87%)



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)





- Cyan (27%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8248, 0.2880, 0.3219 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 64.8248, 0.2880, 0.3219 by changing the saturation by 10% instead.

 64.8248, 0.2880,
0.3219

 64.8248, 0.2880,
0.3219

442.1621, 0.2996,
0.3254

 47.3190, 0.2853,
0.3211


 111.7979, 0.2921,
0.3231

 33.2879, 0.2820,
0.3200


142.0341, 0.2936,
0.3236

 22.3471, 0.2777,
0.3186


177.2825, 0.2950,
0.3240

 14.1122, 0.2721,
0.3167

217.9276, 0.2961,
0.3244

 8.1987, 0.2643,
0.3140

264.3536, 0.2972,
0.3247

 4.2224, 0.2528,
0.3099

316.9452, 0.2981,

 1.7987, 0.2344,

0.3249

0.3026

376.0865, 0.2989,
0.3252

0.4864, 0.1473,
0.2849

0.0000, 0.0000,
0.0000

64.8248, 0.2880,
0.3219

64.8248, 0.2880,
0.3219

60.3810, 0.2734,
0.3170

69.7488, 0.3032,
0.3264

56.3892, 0.2597,
0.3118

75.1637, 0.3186,
0.3305

52.8303, 0.2472,
0.3062

81.0902, 0.3341,
0.3342

49.6808, 0.2362,
0.3004

83.5846, 0.3353,
0.3379

■ 46.9143, 0.2270,
0.2944

■ 85.6793, 0.3348,
0.3415

■ 44.5015, 0.2196,
0.2884

■ 87.8182, 0.3343,
0.3451

■ 42.4080, 0.2142,
0.2824

■ 90.0015, 0.3338,
0.3487

■ 40.5908, 0.2106,
0.2765

■ 92.2296, 0.3333,
0.3523

■ 39.9433, 0.2095,
0.2742

■ 94.5026, 0.3329,
0.3558

Harmonies

Analogous

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



64.8248, 0.2948, 0.3342



64.8248, 0.2880, 0.3219



64.8248, 0.2877, 0.3119

Triad

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



64.8248, 0.2880, 0.3219



64.8248, 0.3187, 0.3136



64.8248, 0.3317, 0.3517

Complementary

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



64.8248, 0.2880, 0.3219



56.7970, 0.3422, 0.3360

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.



64.8248, 0.3384, 0.3455



64.8248, 0.2880, 0.3219



64.8248, 0.3308, 0.3236

Square

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



64.8248, 0.2880, 0.3219



64.8248, 0.3051, 0.3074



64.8248, 0.3381, 0.3352



64.8248, 0.3199, 0.3517

Rectangle

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



64.8248, 0.2880, 0.3219



64.8248, 0.2911, 0.3079



64.8248, 0.3381, 0.3352



64.8248, 0.3346, 0.3502

Sweetspot

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



64.8275, 0.2880, 0.3219



96.3108, 0.3049, 0.3269



66.4930, 0.3069, 0.3650



20.5065, 0.3038, 0.3266



0.0000, 0.0000, 0.0000



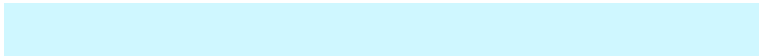
21.4041, 0.3127, 0.3290

Same Dimension

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



64.8275, 0.2880, 0.3219



86.8877, 0.2836, 0.3205



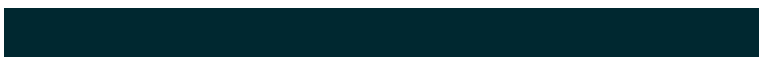
56.1207, 0.2871, 0.3003



15.1624, 0.2982, 0.3250



23.8678, 0.2098, 0.2751



1.7592, 0.2123, 0.2843

Inverse Universe

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



55.6243, 0.3192, 0.2955



72.3778, 0.3205, 0.2892



65.1758, 0.3390, 0.3561



13.8943, 0.3163, 0.3097



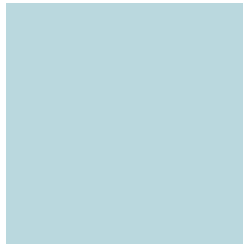
11.3175, 0.3680, 0.1801



0.7950, 0.3595, 0.1754

Previews

White Background



This preview shows how the Yxy color 64.8248, 0.2880, 0.3219 looks on a white background.

Color Contrast Check

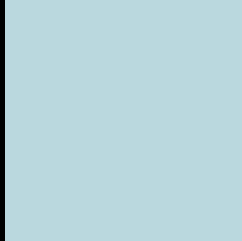
Large Text (above 18pt) WCAG AA × Fail

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 64.8248, 0.2880, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

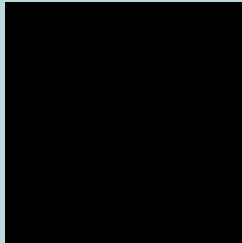
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

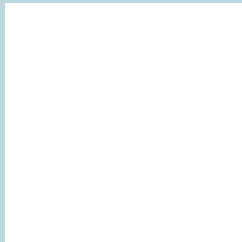
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8248, 0.2880, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 64.8248, 0.2880, 0.3219.

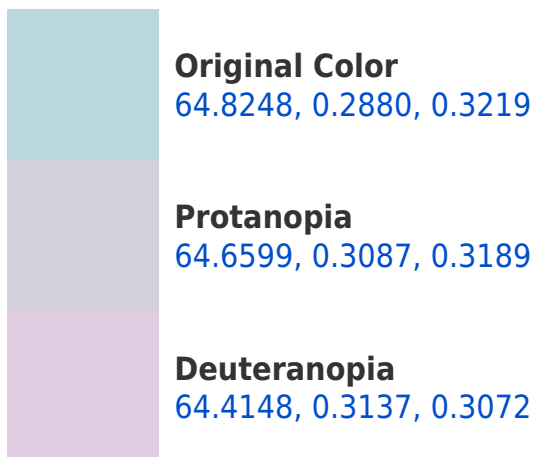


This preview shows how white text looks on a background with the Yxy color 64.8248, 0.2880, 0.3219.

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

64.6107, 0.2831, 0.3082

Trichromacy



Original Color

64.8248, 0.2880, 0.3219

Protanomaly

64.8980, 0.3015, 0.3210

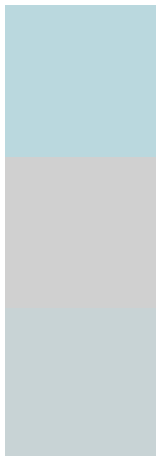
Deuteranomaly

64.1411, 0.3039, 0.3121

Tritanomaly

64.7671, 0.2849, 0.3138

Monochromacy



Original Color

64.8248, 0.2880, 0.3219

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.6720, 0.3033, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8248, 0.2880, 0.3219 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, 216, 222)` looks like.

```
.text, #text, p{  
    color:rgb(186, 216, 222)  
}
```

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, 216, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 216, 222) }
```

Border

The CSS property to change the border of an element to Yxy 64.8248, 0.2880, 0.3219 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, 216, 222) }
```

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

```
.border{ border-color:rgb(186, 216, 222) }
```

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

Here you see how a box with a 4 pixel rgb(186, 216, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 216, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 216, 222);  
box-shadow:4px 4px 4px 4px rgb(186, 216,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8248, 0.2880, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 216, 222) }
```

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

```
.background{ background-color: rgb(186,  
216, 222) }
```

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