

# Converting Colors

Yxy(64.5437, 0.2987, 0.3440)

Have a look what the booklet for  
Yxy(64.5437, 0.2987, 0.3440)  
contains.

<b>Yxy(64.4726, 0.2986, 0.3433)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.4726, 0.2986, 0.3433)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAD9CD
RGB	186, 217, 205
RGB Percent	73%, 85%, 80%
CMY	0.2707, 0.1490, 0.1960
CMYK	0.14, 0.00, 0.06, 0.15
HSL	157°, 29%, 79%
HSV	157°, 14%, 85%
XYZ	56.0778, 64.4726, 67.2521
YIQ	206.3630, -14.6240, -10.3040

# Conversions

## Conversions Part 2

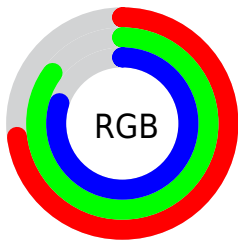
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 205, 217
Decimal	12245453
CIELab	84.21, -12.58, 2.45
CIELCh	84, 12.821, 168.970
Yxy	64.4726, 0.2986, 0.3433
Android (android.graphics.Color)	4290435533 (0xFFBAD9CD)
YUV	206.3630, -0.6720, -17.8584
Hunter-Lab	80.2948, -15.8517, 6.5472

# Details

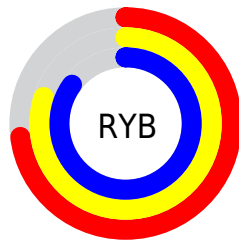
The Yxy color **64.4726, 0.2986, 0.3433** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.9361, 0.3293, 0.3151**, and the grayscale version is **61.9765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **33.0616, 0.2953, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **61.5666, 0.2892, 0.3546**, and if you desaturate by 10%, it is **67.8185, 0.3084, 0.3331**.

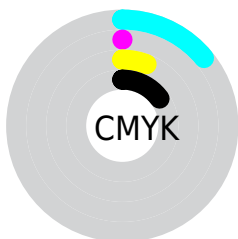
# Distribution



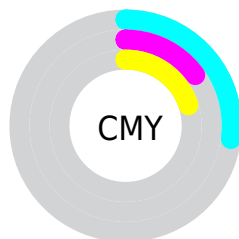
- Red (73%)
- Green (85%)
- Blue (80%)



- Red (73%)
- Yellow (80%)
- Blue (85%)



- Cyan (14%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)




- Cyan (27%)
- Magenta (15%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4726, 0.2986, 0.3433 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 64.4726, 0.2986, 0.3433 by changing the saturation by 10% instead.





 64.4726, 0.2986,  
0.3433

 64.4726, 0.2986,  
0.3433


440.8943, 0.3053,  
0.3365

 47.0336, 0.2970,  
0.3449


 111.2913, 0.3010,  
0.3409

 33.0622, 0.2950,  
0.3469


141.4397, 0.3019,  
0.3400

 22.1741, 0.2925,  
0.3496


176.5934, 0.3027,  
0.3392

 13.9849, 0.2891,  
0.3531

217.1367, 0.3033,  
0.3385

 8.1101, 0.2843,  
0.3580

263.4541, 0.3039,  
0.3379

 4.1655, 0.2771,  
0.3656

315.9298, 0.3044,

 1.7666, 0.2651,

0.3374

374.9485, 0.3049,  
0.3369

0.3784

0.4662, 0.1449,  
0.4969

0.0000, 0.0000,  
0.0000

64.4726, 0.2986,  
0.3433

64.4726, 0.2986,  
0.3433

61.5666, 0.2892,  
0.3546

67.8185, 0.3084,  
0.3331

59.0734, 0.2806,  
0.3670


71.6139, 0.3184,  
0.3239

56.9755, 0.2730,  
0.3803

75.8781, 0.3285,  
0.3158


55.2508, 0.2668,  
0.3944


77.0980, 0.3255,  
0.3077

 53.8750, 0.2623,  
0.4092


 77.6043, 0.3198,  
0.2996

 52.8207, 0.2596,  
0.4243

 78.1112, 0.3145,  
0.2920

 52.0564, 0.2590,  
0.4394

 51.5437, 0.2604,  
0.4542

 51.3276, 0.2618,  
0.4625

# Harmonies

## Analogous

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



64.4726, 0.3143, 0.3539



64.4726, 0.2986, 0.3433



64.4726, 0.2869, 0.3287

# Triad

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



64.4726, 0.2986, 0.3433



64.4726, 0.2953, 0.3019



64.4726, 0.3445, 0.3421

# Complementary

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



64.4726, 0.2986, 0.3433



53.9361, 0.3293, 0.3151

# 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.



64.4726, 0.3392, 0.3284



64.4726, 0.2986, 0.3433



64.4726, 0.3105, 0.3057

# Square

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



64.4726, 0.2986, 0.3433



64.4726, 0.2850, 0.3050



64.4726, 0.3266, 0.3153



64.4726, 0.3411, 0.3528



# Rectangle

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



64.4726, 0.2986, 0.3433



64.4726, 0.2827, 0.3190



64.4726, 0.3266, 0.3153



64.4726, 0.3437, 0.3377

# Sweetspot

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



64.4753, 0.2986, 0.3433



97.8651, 0.3087, 0.3328



65.2339, 0.3200, 0.3658



20.8638, 0.3079, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

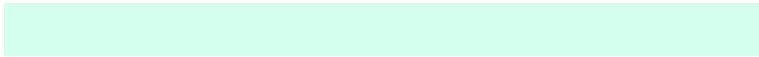


# Same Dimension

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



64.4753, 0.2986, 0.3433



91.6522, 0.2959, 0.3464



63.4922, 0.2909, 0.3253



14.7398, 0.3033, 0.3382



31.0888, 0.2612, 0.4603



2.0308, 0.2546, 0.4364



# Inverse Universe

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



53.9361, 0.3293, 0.3151



73.7965, 0.3332, 0.3122



54.7259, 0.3386, 0.3327



13.1345, 0.3231, 0.3200



9.3357, 0.5421, 0.2760



0.6214, 0.4982, 0.2518



# Previews

## White Background



This preview shows how the Yxy color 64.4726, 0.2986, 0.3433 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

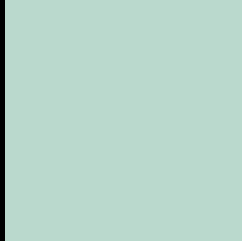
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4726, 0.2986, 0.3433 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

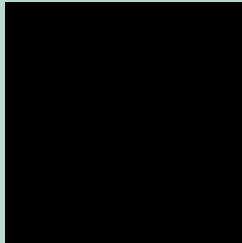
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

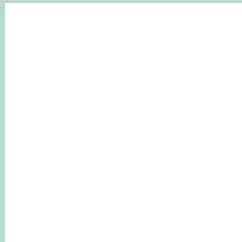
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.4726, 0.2986, 0.3433**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4726, 0.2986, 0.3433.

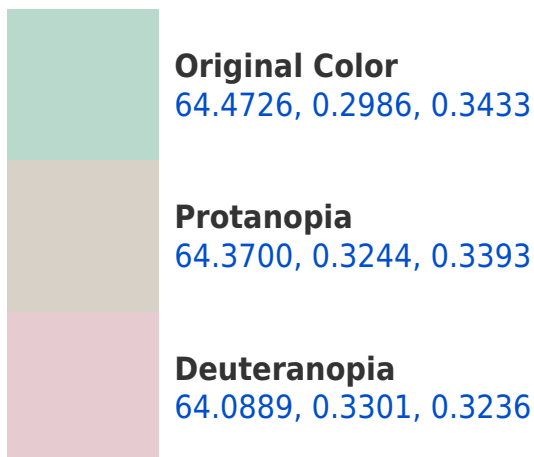


This preview shows how white text looks on a background with the Yxy color 64.4726, 0.2986, 0.3433.

# 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

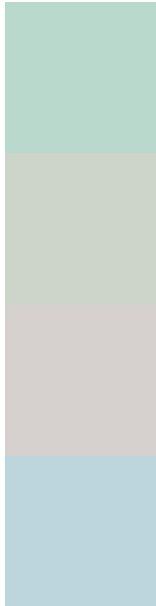




## Tritanopia

64.2488, 0.2856, 0.3093

# Trichromacy



## Original Color

64.4726, 0.2986, 0.3433

## Protanomaly

64.3304, 0.3144, 0.3406

## Deuteranomaly

63.9129, 0.3179, 0.3302

## Tritanomaly

64.1324, 0.2905, 0.3208

# Monochromacy



## Original Color

64.4726, 0.2986, 0.3433

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.6915, 0.3073, 0.3337

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4726, 0.2986, 0.3433 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, 217, 205)` looks like.

```
.text, #text, p{  
    color:rgb(186, 217, 205)  
}
```

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, 217, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 217, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4726, 0.2986, 0.3433 is called "border". The border property can be set on classes, ids or directly on the HTML element.

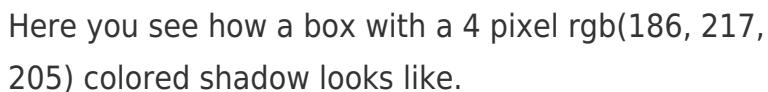
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 217, 205) }
```

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

```
.border{ border-color:rgb(186, 217, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 217, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 217, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 217, 205);  
box-shadow:4px 4px 4px 4px rgb(186, 217,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4726, 0.2986, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 217, 205) }
```

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

```
.background{ background-color: rgb(186,  
217, 205) }
```

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