

# Converting Colors

$Yxy(69.4399, 0.2850, 0.3250)$

Have a look what the booklet for  
Yxy(69.4399, 0.2850, 0.3250)  
contains.

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# Color

**Yxy(69.3518, 0.2848, 0.3243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE0E4
RGB	186, 224, 228
RGB Percent	73%, 88%, 89%
CMY	0.2707, 0.1215, 0.1058
CMYK	0.18, 0.02, 0.00, 0.11
HSL	186°, 44%, 81%
HSV	186°, 18%, 89%
XYZ	60.9047, 69.3518, 83.5943
YIQ	213.0940, -23.9320, -6.8120

# Conversions

## Conversions Part 2

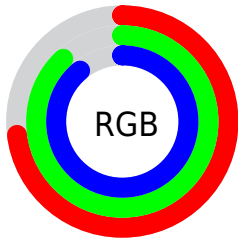
Format	Color
R <sub>Y</sub> B	186, 206, 228
Decimal	12247268
CIE Lab	86.68, -11.51, -6.10
CIE LCh	87, 13.032, 207.925
Yxy	69.3518, 0.2848, 0.3243
Android (android.graphics.Color)	4290437348 (0xFFBAE0E4)
YUV	213.0940, 7.3487, -23.7614
Hunter-Lab	83.2777, -15.1911, -1.2209

# Details

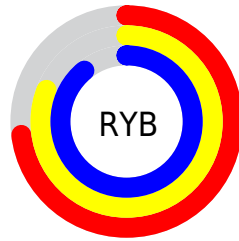
The Yxy color **69.3518, 0.2848, 0.3243** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.8602, 0.3478, 0.3337**, and the grayscale version is **66.5657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **36.2986, 0.2779, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **65.5606, 0.2708, 0.3215**, and if you desaturate by 10%, it is **73.6194, 0.2997, 0.3269**.

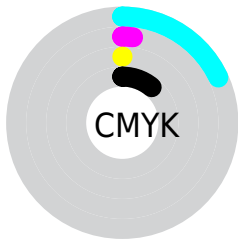
# Distribution



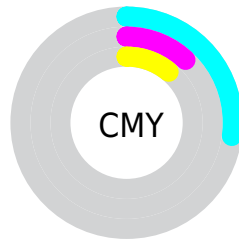
- Red (73%)
- Green (88%)
- Blue (89%)



- Red (73%)
- Yellow (81%)
- Blue (89%)



- Cyan (18%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)




- Cyan (27%)
- Magenta (12%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3518, 0.2848, 0.3243 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 69.3518, 0.2848, 0.3243 by changing the saturation by 10% instead.




 69.3518, 0.2848,  
0.3243

 69.3518, 0.2848,  
0.3243

458.2708, 0.2977,  
0.3266

 50.9983, 0.2818,  
0.3237

 118.2839, 0.2893,  
0.3251

 36.2072, 0.2782,  
0.3230


149.6313, 0.2910,  
0.3255

 24.5943, 0.2736,  
0.3220


186.0787, 0.2925,  
0.3257

 15.7750, 0.2675,  
0.3207

228.0106, 0.2938,  
0.3260

 9.3651, 0.2592,  
0.3188

275.8114, 0.2950,  
0.3262

 4.9801, 0.2473,  
0.3159

329.8654, 0.2960,

 2.2356, 0.2287,

0.3263

0.3107

390.5571, 0.2969,  
0.3265

0.7393, 0.1744,  
0.3057

0.0000, 0.0000,  
0.0000

69.3518, 0.2848,  
0.3243

69.3518, 0.2848,  
0.3243

65.5606, 0.2708,  
0.3215

73.6194, 0.2997,  
0.3269

62.2155, 0.2579,  
0.3184


78.3751, 0.3151,  
0.3294


59.2961, 0.2465,  
0.3153


83.6405, 0.3309,  
0.3316

56.7769, 0.2367,  
0.3120


84.9830, 0.3310,  
0.3337

 54.6294, 0.2289,  
0.3087


 86.2216, 0.3308,  
0.3358


 52.8213, 0.2229,  
0.3054

 87.4755, 0.3305,  
0.3380


 51.3145, 0.2189,  
0.3021

 88.7446, 0.3303,  
0.3401

 50.0535, 0.2165,  
0.2988

 90.0291, 0.3301,  
0.3422

 49.8674, 0.2162,  
0.2983

 91.3291, 0.3298,  
0.3443

# Harmonies

## Analogous

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



69.3518, 0.2947, 0.3391



69.3518, 0.2848, 0.3243



69.3518, 0.2822, 0.3113

# Triad

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



69.3518, 0.2848, 0.3243



69.3518, 0.3154, 0.3082



69.3518, 0.3382, 0.3547

# Complementary

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



69.3518, 0.2848, 0.3243



56.8602, 0.3478, 0.3337

# 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.



69.3518, 0.3442, 0.3456



69.3518, 0.2848, 0.3243



69.3518, 0.3308, 0.3190

# Square

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



69.3518, 0.2848, 0.3243



69.3518, 0.2996, 0.3025



69.3518, 0.3414, 0.3326



69.3518, 0.3254, 0.3569



# Rectangle

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



69.3518, 0.2848, 0.3243



69.3518, 0.2849, 0.3054



69.3518, 0.3414, 0.3326



69.3518, 0.3411, 0.3523

# Sweetspot

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



69.3547, 0.2848, 0.3243



96.2841, 0.3034, 0.3275



69.6311, 0.3082, 0.3750



20.5252, 0.3024, 0.3274



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.



69.3547, 0.2848, 0.3243



87.4979, 0.2795, 0.3233



58.9810, 0.2835, 0.3001



16.0887, 0.2982, 0.3267



28.8833, 0.2164, 0.2988



2.2032, 0.2177, 0.3036



# Inverse Universe

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



56.9830, 0.3179, 0.2875



68.9406, 0.3191, 0.2790



66.3830, 0.3437, 0.3563



14.5903, 0.3152, 0.3080



12.1135, 0.3464, 0.1682

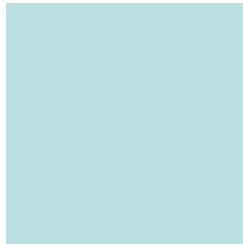


0.9021, 0.3423, 0.1659



# Previews

## White Background



This preview shows how the Yxy color 69.3518, 0.2848, 0.3243 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

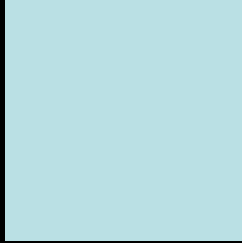
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3518, 0.2848, 0.3243 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

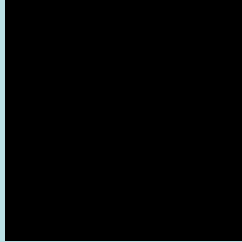
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.3518, 0.2848, 0.3243**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3518, 0.2848, 0.3243.

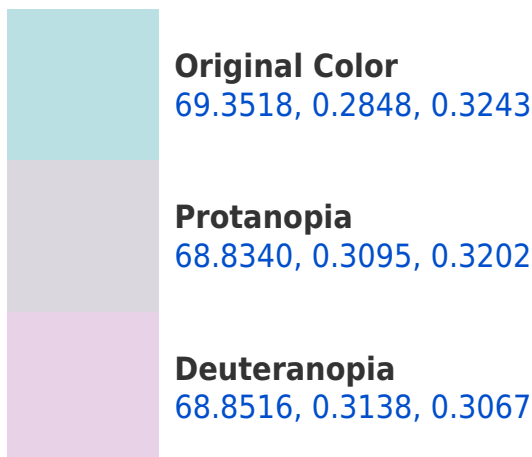


This preview shows how white text looks on a background with the Yxy color 69.3518, 0.2848, 0.3243.

# 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

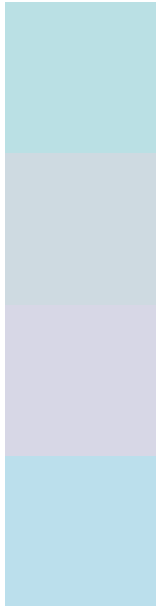




## Tritanopia

69.2252, 0.2790, 0.3086

# Trichromacy



## Original Color

69.3518, 0.2848, 0.3243

## Protanomaly

68.7009, 0.2997, 0.3211

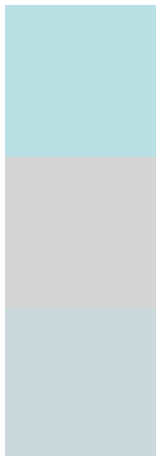
## Deuteranomaly

68.7611, 0.3028, 0.3126

## Tritanomaly

69.3963, 0.2808, 0.3142

# Monochromacy



## Original Color

69.3518, 0.2848, 0.3243

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.3842, 0.3021, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3518, 0.2848, 0.3243 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, 224, 228)` looks like.

```
.text, #text, p{  
    color:rgb(186, 224, 228)  
}
```

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, 224, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 224, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3518, 0.2848, 0.3243 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, 224, 228) }
```

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

```
.border{ border-color:rgb(186, 224, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 224, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 224, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 224, 228);  
box-shadow:4px 4px 4px 4px rgb(186, 224,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3518, 0.2848, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 224, 228) }
```

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

```
.background{ background-color: rgb(186,  
224, 228) }
```

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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