

# Converting Colors

$Yxy(68.7952, 0.2805, 0.3252)$

Have a look what the booklet for  
Yxy(68.7952, 0.2805, 0.3252)  
contains.

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# Color

**Yxy(69.0356, 0.2806, 0.3254)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E1E4
RGB	179, 225, 228
RGB Percent	70%, 88%, 89%
CMY	0.2978, 0.1177, 0.1059
CMYK	0.21, 0.01, 0.00, 0.11
HSL	184°, 48%, 80%
HSV	184°, 21%, 89%
XYZ	59.5310, 69.0356, 83.5895
YIQ	211.5880, -28.3790, -8.8190

# Conversions

## Conversions Part 2

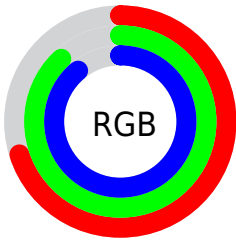
Format	Color
<b>RYB</b>	179, 203, 228
Decimal	11788772
CIELab	86.52, -14.11, -6.37
CIELCh	87, 15.477, 204.299
Yxy	69.0356, 0.2806, 0.3254
Android (android.graphics.Color)	4289978852 (0xFFB3E1E4)
YUV	211.5880, 8.0911, -28.5797
Hunter-Lab	83.0877, -17.5110, -1.4867

# Details

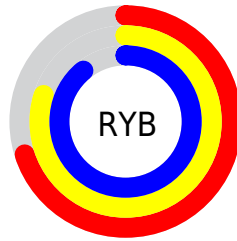
The Yxy color **69.0356, 0.2806, 0.3254** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.2430, 0.3553, 0.3326**, and the grayscale version is **65.5199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **36.1266, 0.2726, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **65.7845, 0.2671, 0.3235**, and if you desaturate by 10%, it is **72.7478, 0.2951, 0.3272**.

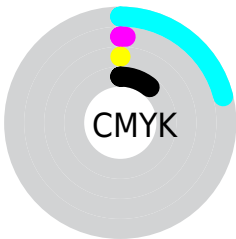
# Distribution



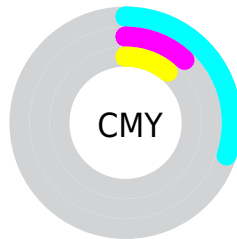
- Red (70%)
- Green (88%)
- Blue (89%)



- Red (70%)
- Yellow (80%)
- Blue (89%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)




- Cyan (30%)
- Magenta (12%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0356, 0.2806, 0.3254 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 69.0356, 0.2806, 0.3254 by changing the saturation by 10% instead.



 69.0356, 0.2806,  
0.3254

 69.0356, 0.2806,  
0.3254


457.1565, 0.2955,  
0.3273

 50.7407, 0.2772,  
0.3249

 117.8324, 0.2858,  
0.3261

 36.0023, 0.2730,  
0.3243


149.1031, 0.2878,  
0.3263

 24.4360, 0.2677,  
0.3235


185.4679, 0.2895,  
0.3266

 15.6573, 0.2607,  
0.3223

227.3111, 0.2910,  
0.3267

 9.2820, 0.2513,  
0.3206

275.0172, 0.2923,  
0.3269

 4.9256, 0.2376,  
0.3179

328.9706, 0.2935,

 2.2037, 0.2164,

0.3270

389.5555, 0.2945,  
0.3272

0.3130

0.7220, 0.1473,  
0.3111

0.0000, 0.0000,  
0.0000

69.0356, 0.2806,  
0.3254

69.0356, 0.2806,  
0.3254

65.7845, 0.2671,  
0.3235

72.7478, 0.2951,  
0.3272

62.9641, 0.2549,  
0.3216

76.9332, 0.3104,  
0.3288

60.5531, 0.2444,  
0.3195

81.6139, 0.3262,  
0.3303

58.5254, 0.2356,  
0.3174

83.7960, 0.3313,  
0.3316


 56.8514, 0.2288,  
0.3153


 84.5841, 0.3311,  
0.3330

 55.4976, 0.2239,  
0.3132


 85.3785, 0.3310,  
0.3344

 54.4234, 0.2208,  
0.3111

 86.1793, 0.3308,  
0.3358

 53.6710, 0.2193,  
0.3094

 86.9864, 0.3307,  
0.3372

 87.7999, 0.3305,  
0.3385

# Harmonies

## Analogous

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



69.0356, 0.2931, 0.3430



69.0356, 0.2806, 0.3254



69.0356, 0.2765, 0.3095

# Triad

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



69.0356, 0.2806, 0.3254



69.0356, 0.3135, 0.3032



69.0356, 0.3444, 0.3586

# Complementary

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



69.0356, 0.2806, 0.3254



53.2430, 0.3553, 0.3326

# 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.



69.0356, 0.3504, 0.3469



69.0356, 0.2806, 0.3254



69.0356, 0.3322, 0.3154

# Square

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



69.0356, 0.2806, 0.3254



69.0356, 0.2950, 0.2974



69.0356, 0.3459, 0.3312



69.0356, 0.3299, 0.3625



# Rectangle

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



69.0356, 0.2806, 0.3254



69.0356, 0.2789, 0.3020



69.0356, 0.3459, 0.3312



69.0356, 0.3475, 0.3554

# Sweetspot

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



69.0384, 0.2806, 0.3254



96.6126, 0.3034, 0.3281



68.4393, 0.3084, 0.3856



20.6031, 0.3024, 0.3279



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.



69.0384, 0.2806, 0.3254



86.9409, 0.2741, 0.3245



57.0090, 0.2786, 0.2967



16.1762, 0.2982, 0.3275



31.0548, 0.2194, 0.3097



2.3412, 0.2202, 0.3127



# Inverse Universe

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



54.1982, 0.3176, 0.2789



64.4858, 0.3187, 0.2677



63.8873, 0.3498, 0.3593



14.5991, 0.3147, 0.3072



12.3327, 0.3370, 0.1630

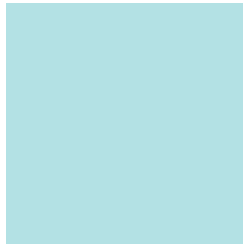


0.9160, 0.3344, 0.1616



# Previews

## White Background



This preview shows how the Yxy color 69.0356, 0.2806, 0.3254 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

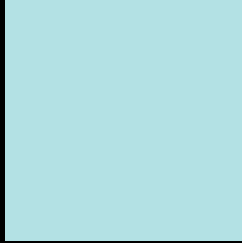
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0356, 0.2806, 0.3254 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

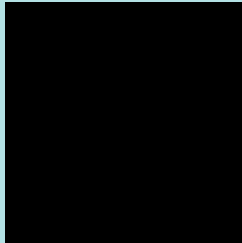
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

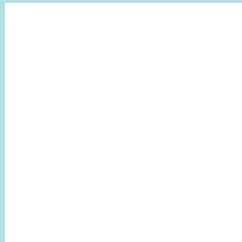
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.0356, 0.2806, 0.3254**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0356, 0.2806, 0.3254.

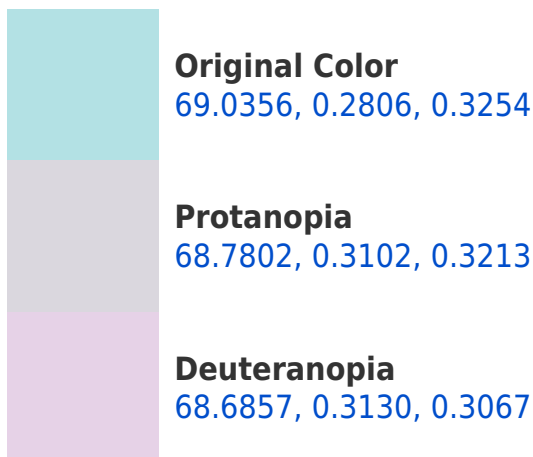


This preview shows how white text looks on a background with the Yxy color 69.0356, 0.2806, 0.3254.

# 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

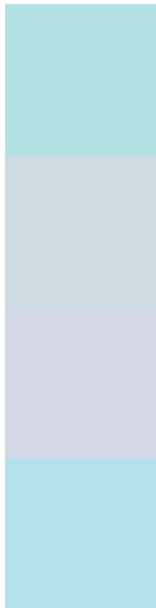




## Tritanopia

69.0713, 0.2749, 0.3084

# Trichromacy



**Original Color**

69.0356, 0.2806, 0.3254

**Protanomaly**

68.8822, 0.2990, 0.3233

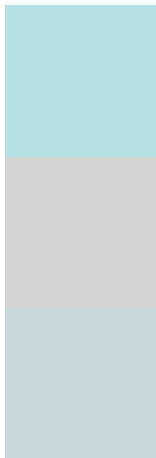
**Deuteranomaly**

68.1629, 0.3000, 0.3124

**Tritanomaly**

69.1912, 0.2772, 0.3152

# Monochromacy



**Original Color**

69.0356, 0.2806, 0.3254

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

66.9670, 0.3000, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0356, 0.2806, 0.3254 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(179, 225, 228)` looks like.

```
.text, #text, p{  
    color:rgb(179, 225, 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(179, 225, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 225, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0356, 0.2806, 0.3254 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(179, 225, 228) }
```

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

```
.border{ border-color:rgb(179, 225, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 225, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 225, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 225, 228); box-shadow:4px 4px 4px 4px rgb(179, 225, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0356, 0.2806, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 225, 228) }
```

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

```
.background{ background-color: rgb(179,  
225, 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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