

# Converting Colors

Yxy(68.5642, 0.2845, 0.3283)

Have a look what the booklet for  
Yxy(68.5642, 0.2845, 0.3283)  
contains.

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# Color

**Yxy(68.6382, 0.2847, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E0E0
RGB	182, 224, 224
RGB Percent	71%, 88%, 88%
CMY	0.2860, 0.1216, 0.1216
CMYK	0.19, 0.00, 0.00, 0.12
HSL	180°, 40%, 80%
HSV	180°, 19%, 88%
XYZ	59.4141, 68.6382, 80.6379
YIQ	211.4420, -25.0320, -8.9040

# Conversions

## Conversions Part 2

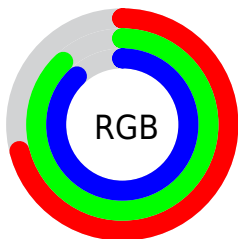
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 203, 224
Decimal	11985120
CIE <sub>Lab</sub>	86.32, -13.54, -4.53
CIE <sub>LCh</sub>	86, 14.274, 198.492
Yxy	68.6382, 0.2847, 0.3289
Android (android.graphics.Color)	4290175200 (0xFFB6E0E0)
YUV	211.4420, 6.1911, -25.8206
Hunter-Lab	82.8482, -16.9741, 0.2855

# Details

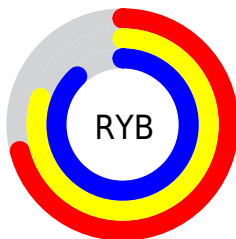
The Yxy color **68.6382, 0.2847, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.7194, 0.3492, 0.3291**, and the grayscale version is **65.4295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **35.8297, 0.2777, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **66.1232, 0.2712, 0.3289**, and if you desaturate by 10%, it is **71.5951, 0.2993, 0.3290**.

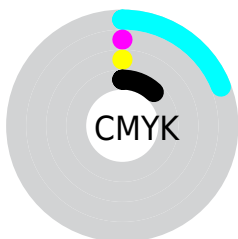
# Distribution



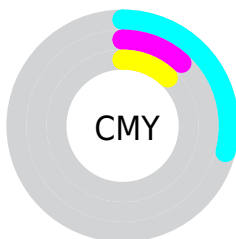
- Red (71%)
- Green (88%)
- Blue (88%)



- Red (71%)
- Yellow (80%)
- Blue (88%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)




- Cyan (29%)
- Magenta (12%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6382, 0.2847, 0.3289 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 68.6382, 0.2847, 0.3289 by changing the saturation by 10% instead.



 68.6382, 0.2847,  
0.3289

 68.6382, 0.2847,  
0.3289


455.7539, 0.2977,  
0.3291

 50.4171, 0.2817,  
0.3288

 117.2647, 0.2892,  
0.3290

 35.7449, 0.2780,  
0.3287


148.4388, 0.2910,  
0.3290

 24.2373, 0.2733,  
0.3285


184.6995, 0.2925,  
0.3290

 15.5097, 0.2672,  
0.3283

226.4310, 0.2938,  
0.3291

 9.1779, 0.2588,  
0.3278

274.0179, 0.2950,  
0.3291

 4.8574, 0.2466,  
0.3270

327.8443, 0.2960,

 2.1638, 0.2274,

0.3291

388.2949, 0.2969,  
0.3291

0.3251

0.7002, 0.1581,  
0.3305

0.0000, 0.0000,  
0.0000

68.6382, 0.2847,  
0.3289

68.6382, 0.2847,  
0.3289

66.1232, 0.2712,  
0.3289

71.5951, 0.2993,  
0.3290

64.0210, 0.2592,  
0.3288

75.0048, 0.3147,  
0.3290


62.3121, 0.2488,  
0.3288


78.8883, 0.3307,  
0.3291

60.9719, 0.2403,  
0.3287


79.9618, 0.3348,  
0.3291

 59.9732, 0.2336,  
0.3287


 79.9655, 0.3348,  
0.3291

 59.2851, 0.2290,  
0.3287


 79.9693, 0.3348,  
0.3291

 58.8711, 0.2261,  
0.3287

 79.9730, 0.3348,  
0.3291

 58.6758, 0.2248,  
0.3286

 79.9767, 0.3348,  
0.3291

 58.6568, 0.2246,  
0.3286

 79.9804, 0.3348,  
0.3291

# Harmonies

## Analogous

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



68.6382, 0.2976, 0.3448



68.6382, 0.2847, 0.3289



68.6382, 0.2792, 0.3135

# Triad

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



68.6382, 0.2847, 0.3289



68.6382, 0.3100, 0.3035



68.6382, 0.3438, 0.3548

# Complementary

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



68.6382, 0.2847, 0.3289



52.7194, 0.3492, 0.3291

# 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.



68.6382, 0.3474, 0.3430



68.6382, 0.2847, 0.3289



68.6382, 0.3276, 0.3139

# Square

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



68.6382, 0.2847, 0.3289



68.6382, 0.2935, 0.2995



68.6382, 0.3415, 0.3281



68.6382, 0.3317, 0.3599



# Rectangle

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



68.6382, 0.2847, 0.3289



68.6382, 0.2804, 0.3057



68.6382, 0.3415, 0.3281



68.6382, 0.3460, 0.3514

# Sweetspot

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



68.6410, 0.2847, 0.3289



97.2098, 0.3034, 0.3290



66.6465, 0.3103, 0.3801



20.7448, 0.3024, 0.3290



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.



68.6410, 0.2847, 0.3289



90.8574, 0.2799, 0.3289



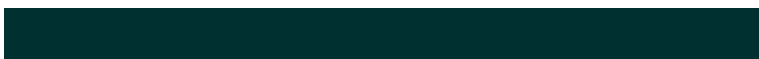
58.0656, 0.2833, 0.3039



15.5716, 0.2982, 0.3290



34.1424, 0.2246, 0.3286



2.3668, 0.2246, 0.3287



# Inverse Universe

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



54.7148, 0.3149, 0.2827



69.2797, 0.3153, 0.2741



61.9576, 0.3449, 0.3529



13.9356, 0.3138, 0.3059



12.3547, 0.3210, 0.1542

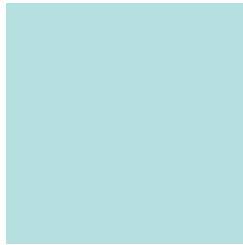


0.8564, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 68.6382, 0.2847, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

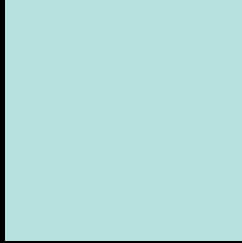
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6382, 0.2847, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

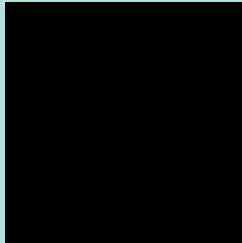
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

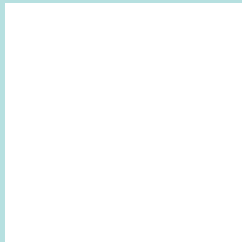
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.6382, 0.2847, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6382, 0.2847, 0.3289.

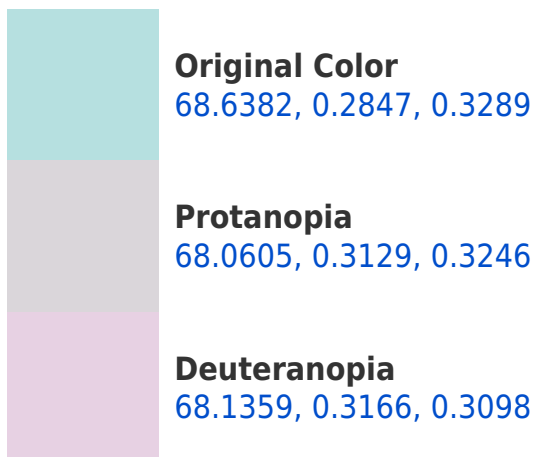


This preview shows how white text looks on a background with the Yxy color 68.6382, 0.2847, 0.3289.

# 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

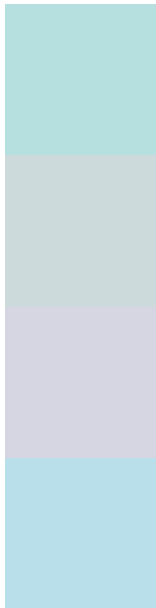




## Tritanopia

68.7888, 0.2777, 0.3096

# Trichromacy



**Original Color**

68.6382, 0.2847, 0.3289

**Protanomaly**

68.2893, 0.3022, 0.3267

**Deuteranomaly**

67.7303, 0.3040, 0.3157

**Tritanomaly**

68.9062, 0.2801, 0.3163

# Monochromacy



**Original Color**

68.6382, 0.2847, 0.3289

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

66.3490, 0.3013, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6382, 0.2847, 0.3289 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(182, 224, 224)` looks like.

```
.text, #text, p{  
    color:rgb(182, 224, 224)  
}
```

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(182, 224, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 224, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6382, 0.2847, 0.3289 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(182, 224, 224) }
```

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

```
.border{ border-color:rgb(182, 224, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 224, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 224, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 224, 224);  
box-shadow:4px 4px 4px 4px rgb(182, 224,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6382, 0.2847, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 224, 224) }
```

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

```
.background{ background-color: rgb(182,  
224, 224) }
```

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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