

# Converting Colors

$Yxy(69.2816, 0.2829, 0.3355)$

Have a look what the booklet for  
Yxy(69.2816, 0.2829, 0.3355)  
contains.

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# Color

**Yxy(69.3887, 0.2829, 0.3360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0E3DD
RGB	176, 227, 221
RGB Percent	69%, 89%, 87%
CMY	0.3098, 0.1098, 0.1334
CMYK	0.22, 0.00, 0.03, 0.11
HSL	173°, 48%, 79%
HSV	173°, 22%, 89%
XYZ	58.4228, 69.3887, 78.7025
YIQ	211.0670, -28.4700, -12.6780

# Conversions

## Conversions Part 2

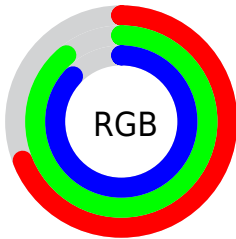
Format	Color
R <sub>YB</sub>	176, 203, 227
Decimal	11592669
CIE Lab	86.70, -17.53, -2.43
CIE LCh	87, 17.697, 187.884
Yxy	69.3887, 0.2829, 0.3360
Android (android.graphics.Color)	4289782749 (0xFFB0E3DD)
YUV	211.0670, 4.8970, -30.7538
Hunter-Lab	83.2999, -20.5829, 2.2922

# Details

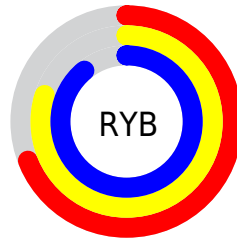
The Yxy color **69.3887, 0.2829, 0.3360** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.7645, 0.3532, 0.3222**, and the grayscale version is **65.1705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **36.3958, 0.2757, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **66.8208, 0.2711, 0.3395**, and if you desaturate by 10%, it is **72.4070, 0.2957, 0.3327**.

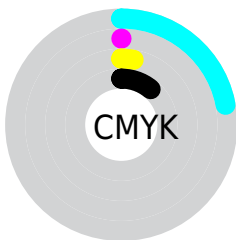
# Distribution



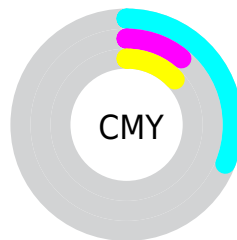
- Red (69%)
- Green (89%)
- Blue (87%)



- Red (69%)
- Yellow (80%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (31%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3887, 0.2829, 0.3360 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 69.3887, 0.2829, 0.3360 by changing the saturation by 10% instead.





 69.3887, 0.2829,  
0.3360

 69.3887, 0.2829,  
0.3360


458.4007, 0.2967,  
0.3328

 51.0283, 0.2797,  
0.3367


 118.3366, 0.2877,  
0.3349

 36.2312, 0.2758,  
0.3376


149.6929, 0.2896,  
0.3345

 24.6128, 0.2708,  
0.3386

186.1500, 0.2912,  
0.3341

 15.7888, 0.2643,  
0.3400

228.0922, 0.2926,  
0.3338

 9.3748, 0.2553,  
0.3418

275.9040, 0.2938,  
0.3335

 4.9865, 0.2424,  
0.3443

329.9698, 0.2949,

 2.2393, 0.2220,

0.3333

0.3480

390.6739, 0.2959,  
0.3330

0.7413, 0.1387,  
0.3716

0.0000, 0.0000,  
0.0000

69.3887, 0.2829,  
0.3360

69.3887, 0.2829,  
0.3360

66.8208, 0.2711,  
0.3395

72.4070, 0.2957,  
0.3327

64.6729, 0.2607,  
0.3433


75.8877, 0.3093,  
0.3297


62.9238, 0.2519,  
0.3472

79.8528, 0.3233,  
0.3270


61.5473, 0.2449,  
0.3513

82.0113, 0.3292,  
0.3244

 60.5141, 0.2398,  
0.3554


 82.1647, 0.3274,  
0.3217


 59.7901, 0.2366,  
0.3596


 82.3206, 0.3256,  
0.3191

 59.3346, 0.2353,  
0.3637

 82.4787, 0.3239,  
0.3165

 59.1191, 0.2352,  
0.3668

 82.6393, 0.3221,  
0.3139

 82.8022, 0.3203,  
0.3113

# Harmonies

## Analogous

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



69.3887, 0.3011, 0.3547



69.3887, 0.2829, 0.3360



69.3887, 0.2728, 0.3159

# Triad

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



69.3887, 0.2829, 0.3360



69.3887, 0.3016, 0.2950



69.3887, 0.3541, 0.3562

# Complementary

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



69.3887, 0.2829, 0.3360



50.7645, 0.3532, 0.3222

# 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.



69.3887, 0.3544, 0.3397



69.3887, 0.2829, 0.3360



69.3887, 0.3235, 0.3052

# Square

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



69.3887, 0.2829, 0.3360



69.3887, 0.2832, 0.2931



69.3887, 0.3431, 0.3213



69.3887, 0.3423, 0.3661

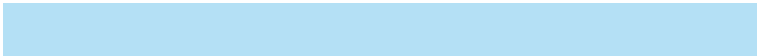


# Rectangle

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



69.3887, 0.2829, 0.3360



69.3887, 0.2716, 0.3048



69.3887, 0.3431, 0.3213



69.3887, 0.3555, 0.3512

# Sweetspot

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



69.3915, 0.2829, 0.3360



96.6351, 0.3030, 0.3310



68.1200, 0.3144, 0.3909



20.6249, 0.3022, 0.3312



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

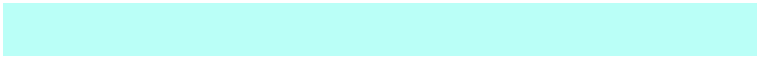


# Same Dimension

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



69.3915, 0.2829, 0.3360



88.6846, 0.2772, 0.3376



60.0388, 0.2778, 0.3066



16.3055, 0.2997, 0.3318



34.4879, 0.2350, 0.3661



2.5569, 0.2334, 0.3601



# Inverse Universe

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



50.7645, 0.3532, 0.3222



60.3492, 0.3645, 0.3207



58.3658, 0.3540, 0.3504



14.3956, 0.3274, 0.3262



9.5788, 0.6251, 0.3217

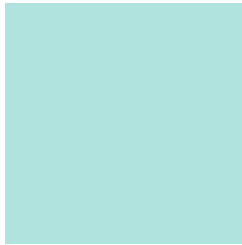


0.7170, 0.5942, 0.3047



# Previews

## White Background



This preview shows how the Yxy color 69.3887, 0.2829, 0.3360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

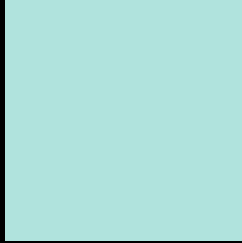
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3887, 0.2829, 0.3360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

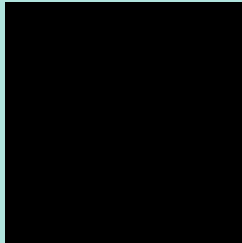
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

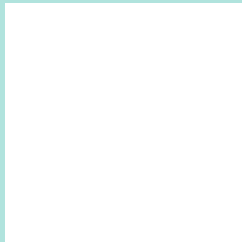
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.3887, 0.2829, 0.3360**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3887, 0.2829, 0.3360.

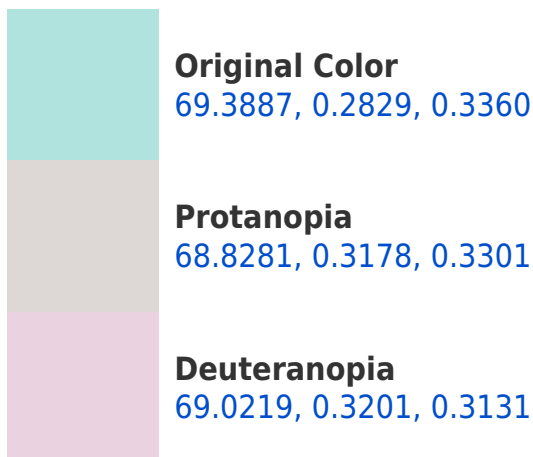


This preview shows how white text looks on a background with the Yxy color 69.3887, 0.2829, 0.3360.

# 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

69.4254, 0.2732, 0.3084

# Trichromacy



**Original Color**

69.3887, 0.2829, 0.3360

**Protanomaly**

68.6519, 0.3041, 0.3312

**Deuteranomaly**

68.6397, 0.3053, 0.3201

**Tritanomaly**

69.3746, 0.2772, 0.3185

# Monochromacy



**Original Color**

69.3887, 0.2829, 0.3360

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

66.5378, 0.3005, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3887, 0.2829, 0.3360 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(176, 227, 221)` looks like.

```
.text, #text, p{  
    color:rgb(176, 227, 221)  
}
```

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(176, 227, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 227, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3887, 0.2829, 0.3360 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(176, 227, 221) }
```

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

```
.border{ border-color:rgb(176, 227, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 227, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 227, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 227, 221);  
box-shadow:4px 4px 4px 4px rgb(176, 227,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3887, 0.2829, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 227, 221) }
```

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

```
.background{ background-color: rgb(176,  
227, 221) }
```

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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