

# Converting Colors

$Yxy(69.3970, 0.2800, 0.3395)$

Have a look what the booklet for  
Yxy(69.3970, 0.2800, 0.3395)  
contains.

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# Color

**Yxy(69.2002, 0.2799, 0.3384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAE4DC
RGB	170, 228, 220
RGB Percent	67%, 89%, 86%
CMY	0.3334, 0.1059, 0.1372
CMYK	0.25, 0.00, 0.04, 0.11
HSL	172°, 52%, 78%
HSV	172°, 25%, 89%
XYZ	57.2374, 69.2002, 78.0547
YIQ	209.7460, -32.0000, -14.7840

# Conversions

## Conversions Part 2

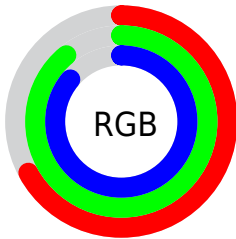
Format	Color
R <sub>YB</sub>	170, 201, 228
Decimal	11199708
CIE Lab	86.60, -20.02, -2.09
CIE LCh	87, 20.133, 185.970
Yxy	69.2002, 0.2799, 0.3384
Android (android.graphics.Color)	4289389788 (0xFFAAE4DC)
YUV	209.7460, 5.0552, -34.8572
Hunter-Lab	83.1867, -22.7580, 2.5984

# Details

The Yxy color **69.2002, 0.2799, 0.3384** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.4535, 0.3592, 0.3199**, and the grayscale version is **64.2556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **35.9347, 0.2720, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **66.7137, 0.2687, 0.3426**, and if you desaturate by 10%, it is **72.1362, 0.2922, 0.3345**.

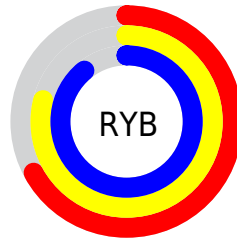
# Distribution



Red (67%)

Green (89%)

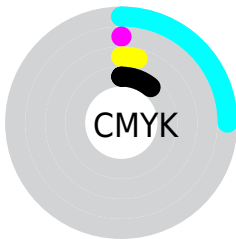
Blue (86%)



Red (67%)

Yellow (79%)

Blue (89%)

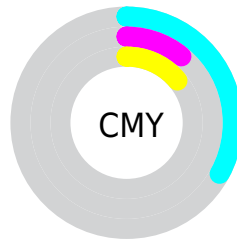


Cyan (25%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (33%)

Magenta (11%)


Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2002, 0.2799, 0.3384 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 69.2002, 0.2799, 0.3384 by changing the saturation by 10% instead.




 69.2002, 0.2799,  
0.3384

 69.2002, 0.2799,  
0.3384


457.7367, 0.2951,  
0.3341

 50.8748, 0.2764,  
0.3394


 118.0675, 0.2852,  
0.3369

 36.1090, 0.2721,  
0.3405


149.3781, 0.2873,  
0.3364

 24.5184, 0.2666,  
0.3420


185.7859, 0.2890,  
0.3359

 15.7186, 0.2594,  
0.3439

227.6753, 0.2906,  
0.3354

 9.3252, 0.2495,  
0.3465

275.4307, 0.2919,  
0.3350

 4.9539, 0.2353,  
0.3500

329.4365, 0.2931,

 2.2203, 0.2129,

0.3347

0.3553

390.0770, 0.2942,  
0.3344

0.7310, 0.1096,  
0.3890

0.0000, 0.0000,  
0.0000

69.2002, 0.2799,  
0.3384

69.2002, 0.2799,  
0.3384

66.7137, 0.2687,  
0.3426

72.1362, 0.2922,  
0.3345

64.6454, 0.2589,  
0.3471

75.5342, 0.3053,  
0.3308

62.9733, 0.2507,  
0.3518

79.4169, 0.3190,  
0.3275

61.6700, 0.2444,  
0.3566

82.6100, 0.3285,  
0.3245

■ 60.7046, 0.2401,  
0.3615

■ 82.7909, 0.3265,  
0.3214

■ 60.0410, 0.2376,  
0.3664

■ 82.9750, 0.3244,  
0.3184

■ 59.6351, 0.2370,  
0.3712

■ 83.1623, 0.3223,  
0.3153

■ 59.5023, 0.2371,  
0.3734

■ 83.3528, 0.3203,  
0.3123

■ 83.5466, 0.3182,  
0.3092

# Harmonies

## Analogous

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



69.2002, 0.3009, 0.3596



69.2002, 0.2799, 0.3384



69.2002, 0.2678, 0.3153

# Triad

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



69.2002, 0.2799, 0.3384



69.2002, 0.2985, 0.2901



69.2002, 0.3603, 0.3587

# Complementary

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



69.2002, 0.2799, 0.3384



48.4535, 0.3592, 0.3199

# 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.



69.2002, 0.3598, 0.3397



69.2002, 0.2799, 0.3384



69.2002, 0.3234, 0.3011

# Square

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



69.2002, 0.2799, 0.3384



69.2002, 0.2781, 0.2885



69.2002, 0.3461, 0.3189



69.2002, 0.3475, 0.3709

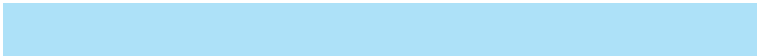


# Rectangle

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



69.2002, 0.2799, 0.3384



69.2002, 0.2660, 0.3024



69.2002, 0.3461, 0.3189



69.2002, 0.3617, 0.3529

# Sweetspot

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



69.2030, 0.2799, 0.3384



96.1543, 0.3019, 0.3317



67.9393, 0.3152, 0.4002



20.4358, 0.2998, 0.3323



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.



69.2030, 0.2799, 0.3384



87.2821, 0.2733, 0.3408



59.1120, 0.2732, 0.3044



16.3004, 0.3000, 0.3322



34.3696, 0.2369, 0.3727



2.5493, 0.2349, 0.3656



# Inverse Universe

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



48.4535, 0.3592, 0.3199



55.8724, 0.3737, 0.3178



56.3513, 0.3609, 0.3523



14.4002, 0.3271, 0.3258



9.5927, 0.6214, 0.3197



0.7192, 0.5874, 0.3010



# Previews

## White Background



This preview shows how the Yxy color 69.2002, 0.2799, 0.3384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

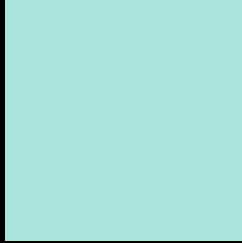
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2002, 0.2799, 0.3384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

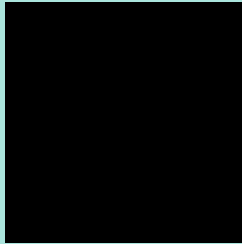
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

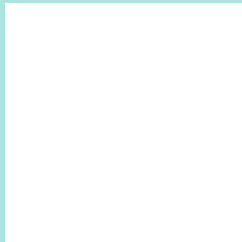
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.2002, 0.2799, 0.3384**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2002, 0.2799, 0.3384.

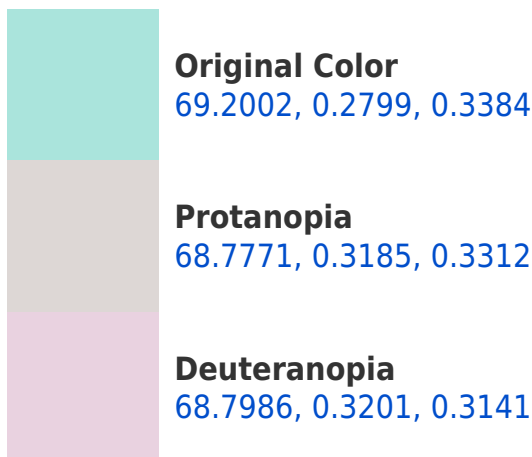


This preview shows how white text looks on a background with the Yxy color 69.2002, 0.2799, 0.3384.

# 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

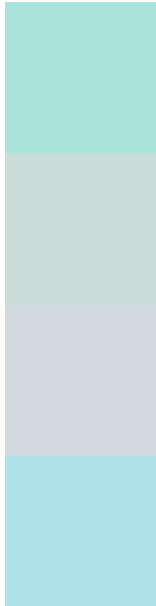




## Tritanopia

69.4355, 0.2699, 0.3083

# Trichromacy



**Original Color**

69.2002, 0.2799, 0.3384

**Protanomaly**

68.7008, 0.3027, 0.3335

**Deuteranomaly**

68.6551, 0.3038, 0.3223

**Tritanomaly**

69.2751, 0.2732, 0.3185

# Monochromacy



**Original Color**

69.2002, 0.2799, 0.3384

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

66.0829, 0.2991, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2002, 0.2799, 0.3384 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(170, 228, 220)` looks like.

```
.text, #text, p{  
    color:rgb(170, 228, 220)  
}
```

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(170, 228, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 228, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2002, 0.2799, 0.3384 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(170, 228, 220) }
```

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

```
.border{ border-color:rgb(170, 228, 220) }
```

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

Here you see how a box with a 4 pixel rgb(170, 228, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 228, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 228, 220);  
box-shadow:4px 4px 4px 4px rgb(170, 228,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2002, 0.2799, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 228, 220) }
```

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

```
.background{ background-color: rgb(170,  
228, 220) }
```

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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