

# Converting Colors

Yxy(69.8169, 0.2935, 0.3314)

Have a look what the booklet for  
Yxy(69.8169, 0.2935, 0.3314)  
contains.

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# Color

**Yxy(70.0546, 0.2936, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2E0DE
RGB	194, 224, 222
RGB Percent	76%, 88%, 87%
CMY	0.2390, 0.1216, 0.1294
CMYK	0.13, 0.00, 0.01, 0.12
HSL	176°, 33%, 82%
HSV	176°, 13%, 88%
XYZ	62.1015, 70.0546, 79.3614
YIQ	214.8020, -17.2380, -6.9820

# Conversions

## Conversions Part 2

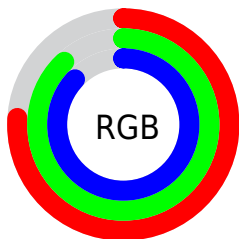
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 210, 224
Decimal	12771550
CIELab	87.02, -10.20, -2.36
CIELCh	87, 10.469, 193.040
Yxy	70.0546, 0.2936, 0.3312
Android (android.graphics.Color)	4290961630 (0xFFC2E0DE)
YUV	214.8020, 3.5486, -18.2434
Hunter-Lab	83.6986, -14.0317, 2.3714

# Details

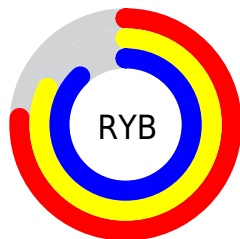
The Yxy color **70.0546, 0.2936, 0.3312** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.4458, 0.3356, 0.3268**, and the grayscale version is **67.8075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **36.7414, 0.2889, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **67.2334, 0.2803, 0.3330**, and if you desaturate by 10%, it is **73.3291, 0.3078, 0.3295**.

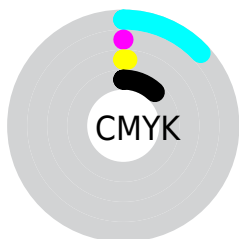
# Distribution



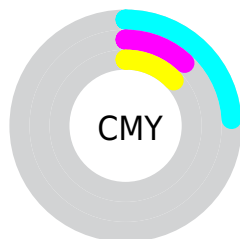
- Red (76%)
- Green (88%)
- Blue (87%)



- Red (76%)
- Yellow (82%)
- Blue (88%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)



- Cyan (24%)
- Magenta (12%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0546, 0.2936, 0.3312 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 70.0546, 0.2936, 0.3312 by changing the saturation by 10% instead.



■ 70.0546, 0.2936,  
0.3312

■ 70.0546, 0.2936,  
0.3312

460.7417, 0.3025,  
0.3302

■ 51.5710, 0.2916,  
0.3314

■ 119.2866, 0.2967,  
0.3309

■ 36.6633, 0.2890,  
0.3317

150.8039, 0.2979,  
0.3307

■ 24.9469, 0.2858,  
0.3320

187.4345, 0.2989,  
0.3306

■ 16.0375, 0.2816,  
0.3324

229.5628, 0.2998,  
0.3305

■ 9.5507, 0.2759,  
0.3329

277.5733, 0.3006,  
0.3304

■ 5.1021, 0.2675,  
0.3335

331.8504, 0.3013,

■ 2.3073, 0.2543,

0.3304

392.7784, 0.3019,  
0.3303

0.3344

0.7776, 0.2149,  
0.3410

0.0000, 0.0000,  
0.0000

70.0546, 0.2936,  
0.3312

70.0546, 0.2936,  
0.3312

67.2334, 0.2803,  
0.3330

73.3291, 0.3078,  
0.3295

64.8368, 0.2681,  
0.3350


77.0668, 0.3226,  
0.3280


62.8462, 0.2573,  
0.3370


80.0810, 0.3331,  
0.3266


61.2385, 0.2483,  
0.3392


80.1629, 0.3321,  
0.3251


 59.9880, 0.2410,  
0.3414

 80.2456, 0.3311,  
0.3237

 59.0658, 0.2358,  
0.3436


 80.3289, 0.3301,  
0.3222


 58.4387, 0.2324,  
0.3459

 80.4129, 0.3291,  
0.3207

 58.0666, 0.2308,  
0.3481

 80.4977, 0.3281,  
0.3193

 57.9171, 0.2304,  
0.3495

 80.5831, 0.3271,  
0.3178

# Harmonies

## Analogous

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



70.0546, 0.3038, 0.3423



70.0546, 0.2936, 0.3312



70.0546, 0.2884, 0.3197

# Triad

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



70.0546, 0.2936, 0.3312



70.0546, 0.3084, 0.3093



70.0546, 0.3363, 0.3466

# Complementary

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



70.0546, 0.2936, 0.3312



58.4458, 0.3356, 0.3268

# 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.



70.0546, 0.3376, 0.3375



70.0546, 0.2936, 0.3312



70.0546, 0.3214, 0.3162

# Square

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



70.0546, 0.2936, 0.3312



70.0546, 0.2969, 0.3074



70.0546, 0.3321, 0.3264



70.0546, 0.3285, 0.3512



# Rectangle

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



70.0546, 0.2936, 0.3312



70.0546, 0.2885, 0.3135



70.0546, 0.3321, 0.3264



70.0546, 0.3375, 0.3440

# Sweetspot

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



70.0575, 0.2936, 0.3312



98.0731, 0.3068, 0.3296



68.9469, 0.3125, 0.3640



20.9166, 0.3057, 0.3298



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.



70.0575, 0.2936, 0.3312



92.8936, 0.2898, 0.3317



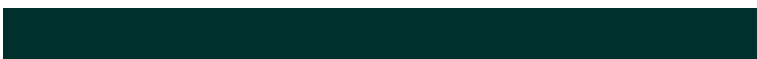
63.4586, 0.2920, 0.3140



15.5559, 0.2991, 0.3305



33.7227, 0.2303, 0.3492



2.3423, 0.2294, 0.3458



# Inverse Universe

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



58.4458, 0.3356, 0.3268



74.4589, 0.3412, 0.3264



64.3846, 0.3352, 0.3436



13.7152, 0.3282, 0.3275



9.2499, 0.6327, 0.3259

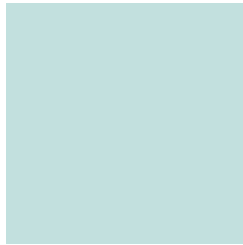


0.6464, 0.6122, 0.3146



# Previews

## White Background



This preview shows how the Yxy color 70.0546, 0.2936, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

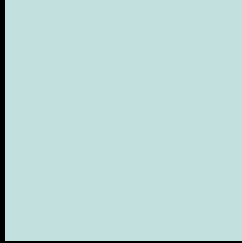
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0546, 0.2936, 0.3312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

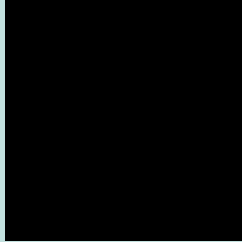
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

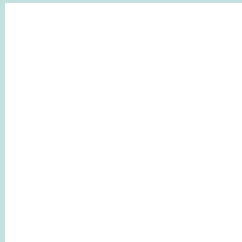
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.0546, 0.2936, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0546, 0.2936, 0.3312.

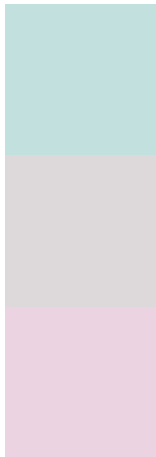


This preview shows how white text looks on a background with the Yxy color 70.0546, 0.2936, 0.3312.

# 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



### Original Color

70.0546, 0.2936, 0.3312

### Protanopia

69.5458, 0.3150, 0.3268

### Deuteranopia

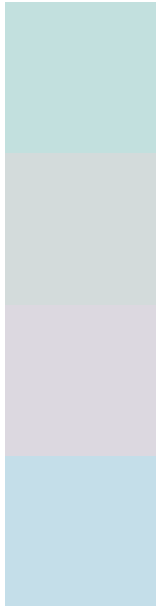
69.6869, 0.3208, 0.3142



## Tritanopia

69.8152, 0.2852, 0.3089

# Trichromacy



## Original Color

70.0546, 0.2936, 0.3312

## Protanomaly

69.6264, 0.3070, 0.3290

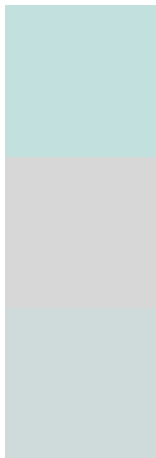
## Deuteranomaly

69.7092, 0.3102, 0.3203

## Tritanomaly

69.8615, 0.2882, 0.3166

# Monochromacy



## Original Color

70.0546, 0.2936, 0.3312

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.4702, 0.3049, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0546, 0.2936, 0.3312 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(194, 224, 222)` looks like.

```
.text, #text, p{  
    color:rgb(194, 224, 222)  
}
```

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(194, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 224, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0546, 0.2936, 0.3312 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(194, 224, 222) }
```

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

```
.border{ border-color:rgb(194, 224, 222) }
```

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

Here you see how a box with a 4 pixel rgb(194, 224, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 224, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 224, 222);  
box-shadow:4px 4px 4px 4px rgb(194, 224,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0546, 0.2936, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 224, 222) }
```

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

```
.background{ background-color: rgb(194,  
224, 222) }
```

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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