

# Converting Colors

$Y_{xy}(70.2242, 0.2935, 0.3347)$

Have a look what the booklet for  
Yxy(70.2242, 0.2935, 0.3347)  
contains.

<b>Yxy(70.2242, 0.2935, 0.3347)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(70.2242, 0.2935, 0.3347)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0E1DC
RGB	192, 225, 220
RGB Percent	75%, 88%, 86%
CMY	0.2471, 0.1176, 0.1373
CMYK	0.15, 0.00, 0.02, 0.12
HSL	171°, 35%, 82%
HSV	171°, 15%, 88%
XYZ	61.5799, 70.2242, 78.0082
YIQ	214.5630, -18.0630, -8.5510

# Conversions

## Conversions Part 2

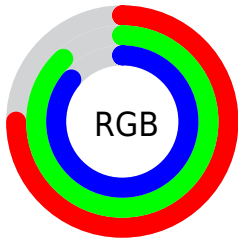
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 210, 225
Decimal	12640732
CIELab	87.11, -11.78, -1.19
CIELCh	87, 11.835, 185.771
Yxy	70.2242, 0.2935, 0.3347
Android (android.graphics.Color)	4290830812 (0xFFC0E1DC)
YUV	214.5630, 2.6804, -19.7878
Hunter-Lab	83.7999, -15.4799, 3.4676

# Details

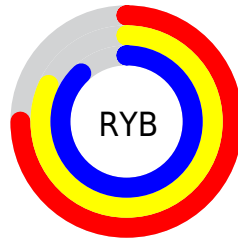
The Yxy color **70.2242, 0.2935, 0.3347** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.7407, 0.3360, 0.3234**, and the grayscale version is **67.6361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **36.8693, 0.2889, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **67.3315, 0.2813, 0.3390**, and if you desaturate by 10%, it is **73.5755, 0.3065, 0.3307**.

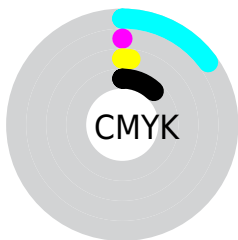
# Distribution



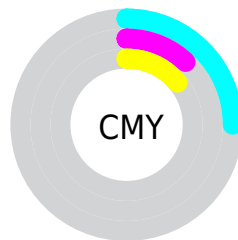
- Red (75%)
- Green (88%)
- Blue (86%)



- Red (75%)
- Yellow (82%)
- Blue (88%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)



- Cyan (25%)
- Magenta (12%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2242, 0.2935, 0.3347 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 70.2242, 0.2935, 0.3347 by changing the saturation by 10% instead.



70.2242, 0.2935,  
0.3347

70.2242, 0.2935,  
0.3347

461.3368, 0.3024,  
0.3321

51.7093, 0.2914,  
0.3353

119.5284, 0.2966,  
0.3338

36.7734, 0.2889,  
0.3360

151.0866, 0.2978,  
0.3334

25.0321, 0.2857,  
0.3369

187.7613, 0.2989,  
0.3331

16.1010, 0.2814,  
0.3382

229.9369, 0.2998,  
0.3329

9.5956, 0.2756,  
0.3398

277.9979, 0.3005,  
0.3326

5.1317, 0.2672,  
0.3421

332.3286, 0.3012,

2.3247, 0.2538,

0.3324

0.3457

393.3135, 0.3019,  
0.3323

0.7868, 0.2105,  
0.3598

0.0000, 0.0000,  
0.0000

70.2242, 0.2935,  
0.3347

70.2242, 0.2935,  
0.3347

67.3315, 0.2813,  
0.3390

73.5755, 0.3065,  
0.3307

64.8682, 0.2702,  
0.3437


77.3956, 0.3199,  
0.3271

62.8154, 0.2604,  
0.3487

80.8414, 0.3304,  
0.3238

61.1492, 0.2522,  
0.3538


81.0359, 0.3281,  
0.3205


 59.8433, 0.2458,  
0.3592


 81.2342, 0.3258,  
0.3171

 58.8681, 0.2414,  
0.3646

 81.4363, 0.3235,  
0.3138

 58.1893, 0.2389,  
0.3700

 81.6422, 0.3213,  
0.3105

 57.7647, 0.2383,  
0.3754

 81.8520, 0.3190,  
0.3072

 57.6058, 0.2384,  
0.3783

 82.0657, 0.3168,  
0.3039

# Harmonies

## Analogous

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



70.2242, 0.3060, 0.3466



70.2242, 0.2935, 0.3347



70.2242, 0.2861, 0.3214

# Triad

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



70.2242, 0.2935, 0.3347



70.2242, 0.3044, 0.3058



70.2242, 0.3405, 0.3467

# Complementary

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



70.2242, 0.2935, 0.3347



57.7407, 0.3360, 0.3234

# 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.



70.2242, 0.3401, 0.3356



70.2242, 0.2935, 0.3347



70.2242, 0.3190, 0.3123

# Square

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



70.2242, 0.2935, 0.3347



70.2242, 0.2923, 0.3051



70.2242, 0.3321, 0.3231



70.2242, 0.3332, 0.3534



# Rectangle

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



70.2242, 0.2935, 0.3347



70.2242, 0.2850, 0.3138



70.2242, 0.3321, 0.3231



70.2242, 0.3412, 0.3433

# Sweetspot

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



70.2271, 0.2935, 0.3347



98.0170, 0.3073, 0.3305



69.5980, 0.3147, 0.3675



20.9023, 0.3063, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

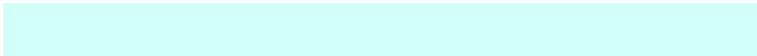


# Same Dimension

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



70.2271, 0.2935, 0.3347



91.8683, 0.2892, 0.3362



64.7388, 0.2900, 0.3162



15.5346, 0.3002, 0.3326



33.2069, 0.2382, 0.3774



2.3116, 0.2359, 0.3691



# Inverse Universe

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



57.7407, 0.3360, 0.3234



71.8721, 0.3426, 0.3220



62.5278, 0.3381, 0.3414



13.7343, 0.3268, 0.3255



9.3023, 0.6183, 0.3180

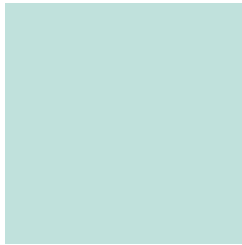


0.6555, 0.5803, 0.2970



# Previews

## White Background



This preview shows how the Yxy color 70.2242, 0.2935, 0.3347 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

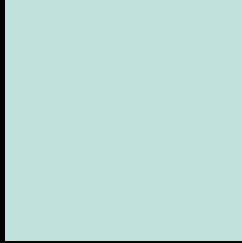
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2242, 0.2935, 0.3347 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

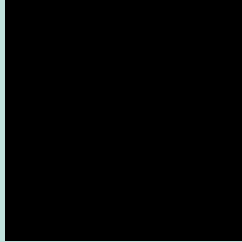
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

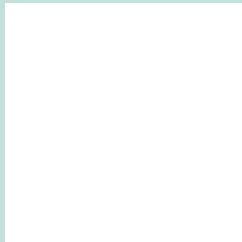
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2242, 0.2935, 0.3347**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2242, 0.2935, 0.3347.

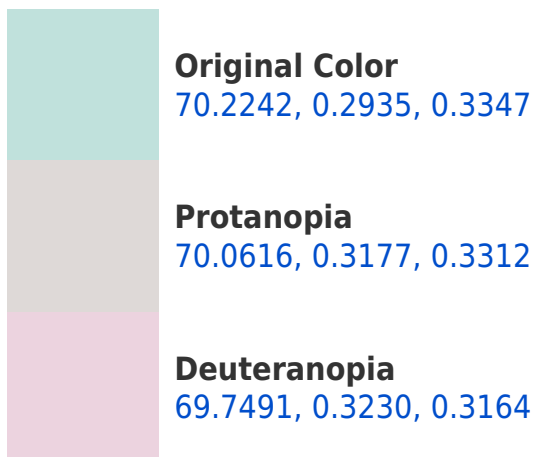


This preview shows how white text looks on a background with the Yxy color 70.2242, 0.2935, 0.3347.

# 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

70.2696, 0.2840, 0.3089

# Trichromacy



## Original Color

70.2242, 0.2935, 0.3347

## Protanomaly

70.0450, 0.3083, 0.3323

## Deuteranomaly

69.6013, 0.3116, 0.3224

## Tritanomaly

70.2606, 0.2876, 0.3177

# Monochromacy



## Original Color

70.2242, 0.2935, 0.3347

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.9382, 0.3055, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2242, 0.2935, 0.3347 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(192, 225, 220)` looks like.

```
.text, #text, p{  
    color:rgb(192, 225, 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(192, 225, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 225, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2242, 0.2935, 0.3347 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(192, 225, 220) }
```

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

```
.border{ border-color:rgb(192, 225, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 225, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 225, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 225, 220);  
box-shadow:4px 4px 4px 4px rgb(192, 225,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2242, 0.2935, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 225, 220) }
```

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

```
.background{ background-color: rgb(192,  
225, 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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