

# Converting Colors

$Yxy(70.6384, 0.3080, 0.3371)$

Have a look what the booklet for  
Yxy(70.6384, 0.3080, 0.3371)  
contains.

<b>Yxy(70.7042, 0.3081, 0.3368)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(70.7042, 0.3081, 0.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1DED7
RGB	209, 222, 215
RGB Percent	82%, 87%, 84%
CMY	0.1805, 0.1294, 0.1568
CMYK	0.06, 0.00, 0.03, 0.13
HSL	148°, 16%, 85%
HSV	148°, 6%, 87%
XYZ	64.6792, 70.7042, 74.5459
YIQ	217.3150, -5.5010, -4.9330

# Conversions

## Conversions Part 2

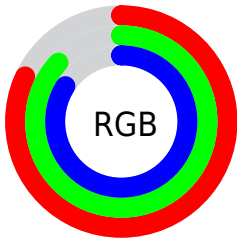
Format	Color
R <sub>Y</sub> B	209, 218, 222
Decimal	13754071
CIE Lab	87.34, -5.65, 1.90
CIE LCh	87, 5.957, 161.383
Yxy	70.7042, 0.3081, 0.3368
Android (android.graphics.Color)	4291944151 (0xFFD1DED7)
YUV	217.3150, -1.1413, -7.2923
Hunter-Lab	84.0858, -9.8470, 6.2967

# Details

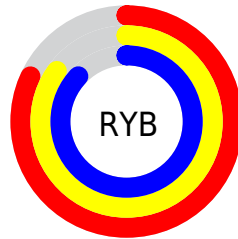
The Yxy color **70.7042, 0.3081, 0.3368** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.0768, 0.3176, 0.3213**, and the grayscale version is **69.6266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1441, 0.3077, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **67.1023, 0.3003, 0.3514**, and if you desaturate by 10%, it is **74.8078, 0.3160, 0.3238**.

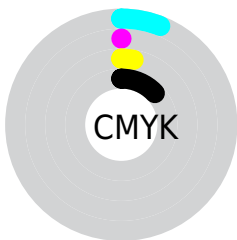
# Distribution



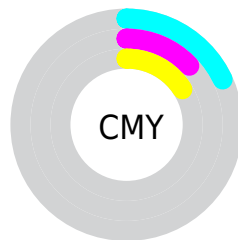
- Red (82%)
- Green (87%)
- Blue (84%)



- Red (82%)
- Yellow (85%)
- Blue (87%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)



- Cyan (18%)
- Magenta (13%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7042, 0.3081, 0.3368 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 70.7042, 0.3081, 0.3368 by changing the saturation by 10% instead.



■ 70.7042, 0.3081,  
0.3368

■ 70.7042, 0.3081,  
0.3368

463.0187, 0.3103,  
0.3332

■ 52.1008, 0.3076,  
0.3376

120.2124, 0.3089,  
0.3355

■ 37.0855, 0.3070,  
0.3387

151.8861, 0.3091,  
0.3350

■ 25.2737, 0.3062,  
0.3400

188.6854, 0.3094,  
0.3346

■ 16.2811, 0.3051,  
0.3418

230.9945, 0.3096,  
0.3342

■ 9.7233, 0.3037,  
0.3443

279.1981, 0.3098,  
0.3339

■ 5.2159, 0.3016,  
0.3479

333.6804, 0.3100,

■ 2.3745, 0.2981,

0.3336

394.8258, 0.3101,  
0.3334

0.3537

0.8127, 0.2886,  
0.3695

0.0000, 0.0000,  
0.0000

70.7042, 0.3081,  
0.3368

70.7042, 0.3081,  
0.3368

67.1023, 0.3003,  
0.3514

74.8078, 0.3160,  
0.3238

63.9735, 0.2929,  
0.3676

79.4225, 0.3238,  
0.3124

61.3001, 0.2861,  
0.3853

80.4541, 0.3170,  
0.3010

59.0597, 0.2802,  
0.4045

80.7274, 0.3142,  
0.2970

■ 57.2280, 0.2756,  
0.4249

■ 55.7780, 0.2726,  
0.4459

■ 54.6796, 0.2714,  
0.4670

■ 53.8976, 0.2722,  
0.4876

■ 53.3889, 0.2749,  
0.5070

# Harmonies

## Analogous

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



70.7042, 0.3154, 0.3408



70.7042, 0.3081, 0.3368



70.7042, 0.3021, 0.3307

# Triad

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



70.7042, 0.3081, 0.3368



70.7042, 0.3034, 0.3167



70.7042, 0.3267, 0.3336

# Complementary

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



70.7042, 0.3081, 0.3368



66.0768, 0.3176, 0.3213

# 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.



70.7042, 0.3234, 0.3273



70.7042, 0.3081, 0.3368



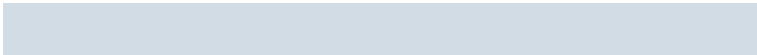
70.7042, 0.3099, 0.3176

# Square

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



70.7042, 0.3081, 0.3368



70.7042, 0.2994, 0.3191



70.7042, 0.3173, 0.3214



70.7042, 0.3262, 0.3388



# Rectangle

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



70.7042, 0.3081, 0.3368



70.7042, 0.2996, 0.3263



70.7042, 0.3173, 0.3214



70.7042, 0.3260, 0.3315

# Sweetspot

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



70.7072, 0.3081, 0.3368



98.8708, 0.3111, 0.3316



71.4708, 0.3171, 0.3435



21.1743, 0.3112, 0.3315



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.



70.7072, 0.3081, 0.3368



96.1697, 0.3072, 0.3384



71.0390, 0.3040, 0.3297



15.5991, 0.3068, 0.3392



31.6355, 0.2756, 0.5120



2.2108, 0.2674, 0.4825



# Inverse Universe

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



66.0768, 0.3176, 0.3213



88.6130, 0.3187, 0.3197



65.7557, 0.3221, 0.3283



14.2864, 0.3191, 0.3191



10.0372, 0.4801, 0.2419

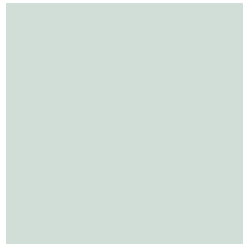


0.7138, 0.4489, 0.2246



# Previews

## White Background



This preview shows how the Yxy color 70.7042, 0.3081, 0.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

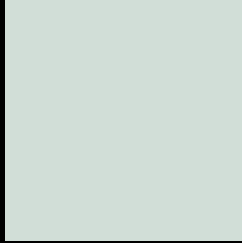
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.7042, 0.3081, 0.3368 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

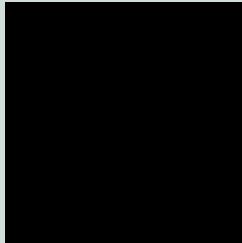
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

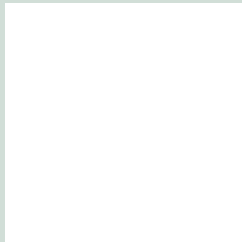
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.7042, 0.3081, 0.3368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7042, 0.3081, 0.3368.

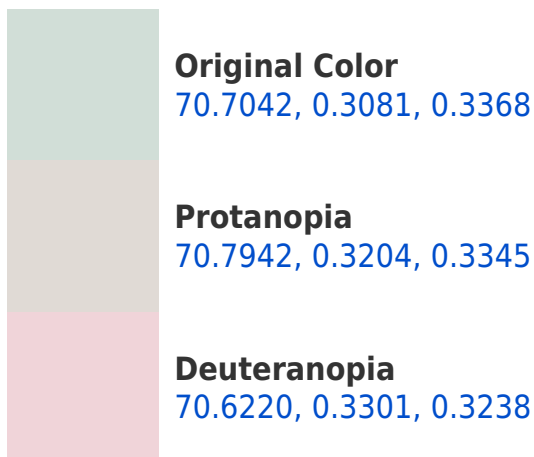


This preview shows how white text looks on a background with the Yxy color 70.7042, 0.3081, 0.3368.

# 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

70.7162, 0.2969, 0.3105

# Trichromacy



## Original Color

70.7042, 0.3081, 0.3368

## Protanomaly

70.5781, 0.3160, 0.3345

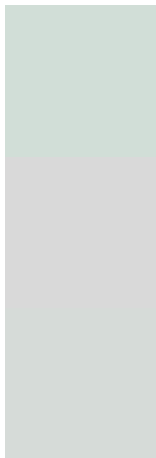
## Deuteranomaly

70.7276, 0.3222, 0.3290

## Tritanomaly

70.6367, 0.3012, 0.3202

# Monochromacy



## Original Color

70.7042, 0.3081, 0.3368

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.9170, 0.3111, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7042, 0.3081, 0.3368 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(209, 222, 215)` looks like.

```
.text, #text, p{  
    color:rgb(209, 222, 215)  
}
```

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(209, 222, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 222, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7042, 0.3081, 0.3368 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(209, 222, 215) }
```

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

```
.border{ border-color:rgb(209, 222, 215) }
```

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

Here you see how a box with a 4 pixel rgb(209, 222, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 222, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 222, 215);  
box-shadow:4px 4px 4px 4px rgb(209, 222,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7042, 0.3081, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 222, 215) }
```

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

```
.background{ background-color: rgb(209,  
222, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor