

# Converting Colors

$Y_{xy}(70.7890, 0.3261, 0.3545)$

Have a look what the booklet for  
Yxy(70.7890, 0.3261, 0.3545)  
contains.

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# Color

**Yxy(70.6955, 0.3259, 0.3547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADDC6
RGB	218, 221, 198
RGB Percent	85%, 87%, 78%
CMY	0.1453, 0.1333, 0.2234
CMYK	0.01, 0.00, 0.10, 0.13
HSL	68°, 25%, 82%
HSV	68°, 10%, 87%
XYZ	64.9554, 70.6955, 63.6598
YIQ	217.4810, 5.5950, -7.7890

# Conversions

## Conversions Part 2

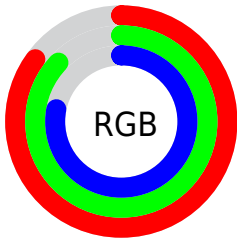
Format	Color
<a href="#">RYB</a>	<a href="#">198, 221, 201</a>
Decimal	<a href="#">14343622</a>
CIELab	<a href="#">87.34, -5.00, 10.93</a>
CIELCh	<a href="#">87, 12.021, 114.592</a>
Yxy	<a href="#">70.6955, 0.3259, 0.3547</a>
Android (android.graphics.Color)	<a href="#">4292533702 (0xFFDADDC6)</a>
YUV	<a href="#">217.4810, -9.6041, 0.4552</a>
Hunter-Lab	<a href="#">84.0806, -9.2433, 13.9663</a>

# Details

The Yxy color **70.6955, 0.3259, 0.3547** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.0474, 0.2987, 0.3023**, and the grayscale version is **69.7983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0726, 0.3292, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **69.3029, 0.3388, 0.3804**, and if you desaturate by 10%, it is **72.2511, 0.3132, 0.3300**.

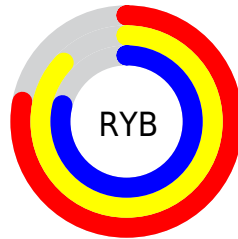
# Distribution



Red (85%)

Green (87%)

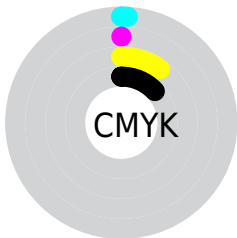
Blue (78%)



Red (78%)

Yellow (87%)

Blue (79%)

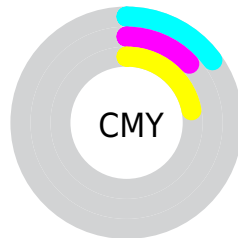


Cyan (1%)

Magenta (0%)

Yellow (10%)

Black (13%)



Cyan (15%)

Magenta (13%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6955, 0.3259, 0.3547 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 70.6955, 0.3259, 0.3547 by changing the saturation by 10% instead.



■ 70.6955, 0.3259,  
0.3547

■ 70.6955, 0.3259,  
0.3547

462.9883, 0.3198,  
0.3426

■ 52.0937, 0.3273,  
0.3575

120.2001, 0.3238,  
0.3505

■ 37.0798, 0.3290,  
0.3610

151.8716, 0.3230,  
0.3488

■ 25.2693, 0.3311,  
0.3655

188.6686, 0.3223,  
0.3474

■ 16.2778, 0.3339,  
0.3714

230.9754, 0.3217,  
0.3462

■ 9.7209, 0.3377,  
0.3796

279.1763, 0.3211,  
0.3452

■ 5.2143, 0.3431,  
0.3916

333.6559, 0.3206,

■ 2.3736, 0.3513,

0.3442

0.4110

394.7984, 0.3202,  
0.3434

0.8122, 0.4107,  
0.5133

0.0000, 0.0000,  
0.0000

70.6955, 0.3259,  
0.3547

70.6955, 0.3259,  
0.3547

69.3029, 0.3388,  
0.3804

72.2511, 0.3132,  
0.3300

68.0576, 0.3515,  
0.4065


73.9666, 0.3010,  
0.3067


66.9558, 0.3635,  
0.4320

75.2354, 0.2951,  
0.2940


65.9900, 0.3744,  
0.4561

75.7167, 0.2971,  
0.2942

 65.1520, 0.3835,  
0.4776


 76.2061, 0.2990,  
0.2944

 64.4325, 0.3903,  
0.4957

 76.7038, 0.3010,  
0.2946


 63.8212, 0.3946,  
0.5094

 77.2097, 0.3030,  
0.2948

 63.3056, 0.3962,  
0.5187

 77.7240, 0.3050,  
0.2950

 62.8800, 0.3958,  
0.5239

 78.2466, 0.3070,  
0.2952

# Harmonies

## Analogous

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



70.6955, 0.3370, 0.3519



70.6955, 0.3259, 0.3547



70.6955, 0.3114, 0.3502

# Triad

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



70.6955, 0.3259, 0.3547



70.6955, 0.2846, 0.3140



70.6955, 0.3279, 0.3186

# Complementary

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



70.6955, 0.3259, 0.3547



58.0474, 0.2987, 0.3023

# 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.



70.6955, 0.3135, 0.3090



70.6955, 0.3259, 0.3547



70.6955, 0.2888, 0.3061

# Square

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



70.6955, 0.3259, 0.3547



70.6955, 0.2878, 0.3262



70.6955, 0.2992, 0.3044



70.6955, 0.3383, 0.3309



# Rectangle

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



70.6955, 0.3259, 0.3547



70.6955, 0.3018, 0.3437



70.6955, 0.2992, 0.3044



70.6955, 0.3233, 0.3150

# Sweetspot

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



70.6986, 0.3259, 0.3547



99.3247, 0.3165, 0.3363



61.0881, 0.3307, 0.3321



21.2217, 0.3175, 0.3383



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

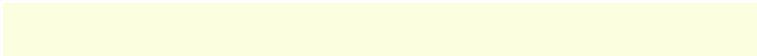


# Same Dimension

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



70.6986, 0.3259, 0.3547



97.4201, 0.3281, 0.3590



69.0412, 0.3178, 0.3553



15.1715, 0.3246, 0.3522



36.5579, 0.3962, 0.5236



2.3933, 0.4002, 0.5204



# Inverse Universe

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



58.0474, 0.2987, 0.3023



77.3172, 0.2963, 0.2977



59.6460, 0.3071, 0.3030



12.6998, 0.3001, 0.3050



3.2154, 0.1553, 0.0629

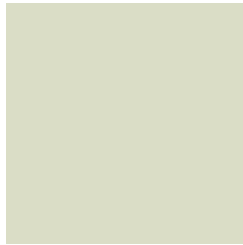


0.2358, 0.1672, 0.0695



# Previews

## White Background



This preview shows how the Yxy color 70.6955, 0.3259, 0.3547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

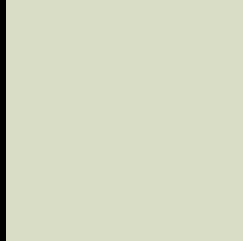
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6955, 0.3259, 0.3547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

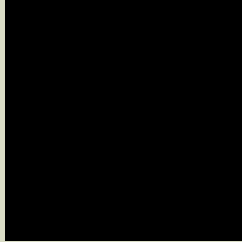
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

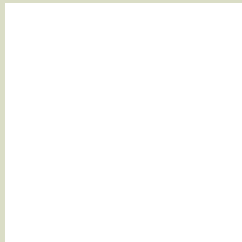
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.6955, 0.3259, 0.3547**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6955, 0.3259, 0.3547.



This preview shows how white text looks on a background with the Yxy color 70.6955, 0.3259, 0.3547.

# 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

70.6955, 0.3259, 0.3547

### Protanopia

70.6223, 0.3352, 0.3532

### Deuteranopia

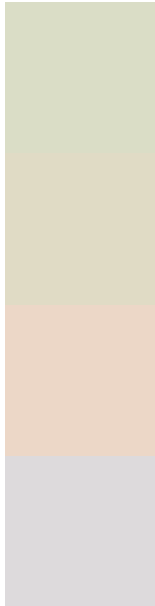
70.5328, 0.3481, 0.3406



## Tritanopia

70.6829, 0.3064, 0.3108

# Trichromacy



## Original Color

70.6955, 0.3259, 0.3547

## Protanomaly

70.5415, 0.3313, 0.3533

## Deuteranomaly

70.5573, 0.3396, 0.3463

## Tritanomaly

70.6823, 0.3135, 0.3268

# Monochromacy



## Original Color

70.6955, 0.3259, 0.3547

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.5477, 0.3174, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6955, 0.3259, 0.3547 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(218, 221, 198)` looks like.

```
.text, #text, p{  
    color:rgb(218, 221, 198)  
}
```

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(218, 221, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 221, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6955, 0.3259, 0.3547 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(218, 221, 198) }
```

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

```
.border{ border-color:rgb(218, 221, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 221, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 221, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 221, 198); box-shadow:4px 4px 4px 4px rgb(218, 221, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6955, 0.3259, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 221, 198) }
```

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

```
.background{ background-color: rgb(218,  
221, 198) }
```

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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