

# Converting Colors

$Yxy(71.6862, 0.3076, 0.3345)$

Have a look what the booklet for  
Yxy(71.6862, 0.3076, 0.3345)  
contains.

<b>Yxy(71.6862, 0.3076, 0.3345)</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(71.6862, 0.3076, 0.3345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3DFDA
RGB	211, 223, 218
RGB Percent	83%, 87%, 85%
CMY	0.1723, 0.1255, 0.1450
CMYK	0.05, 0.00, 0.02, 0.13
HSL	155°, 16%, 85%
HSV	155°, 5%, 87%
XYZ	65.9213, 71.6862, 76.7010
YIQ	218.8420, -5.5470, -4.0990

# Conversions

## Conversions Part 2

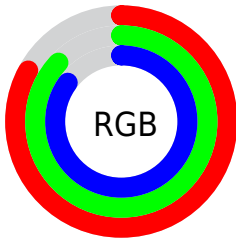
Format	Color
<a href="#">RYB</a>	<a href="#">211, 219, 223</a>
Decimal	<a href="#">13885402</a>
CIELab	<a href="#">87.82, -4.90, 1.04</a>
CIELCh	<a href="#">88, 5.010, 168.016</a>
Yxy	<a href="#">71.6862, 0.3076, 0.3345</a>
Android (android.graphics.Color)	<a href="#">4292075482 (0xFFD3DFDA)</a>
YUV	<a href="#">218.8420, -0.4151, -6.8774</a>
Hunter-Lab	<a href="#">84.6677, -9.1904, 5.5562</a>

# Details

The Yxy color **71.6862, 0.3076, 0.3345** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2662, 0.3181, 0.3236**, and the grayscale version is **70.7377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7175, 0.3060, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **68.1464, 0.2982, 0.3457**, and if you desaturate by 10%, it is **75.7163, 0.3172, 0.3245**.

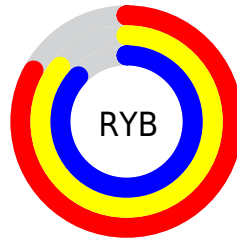
# Distribution



Red (83%)

Green (87%)

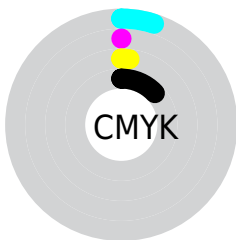
Blue (85%)



Red (83%)

Yellow (86%)

Blue (87%)

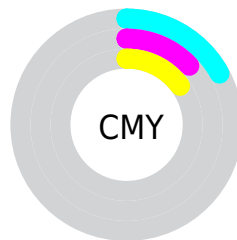


Cyan (5%)

Magenta (0%)

Yellow (2%)

Black (13%)



Cyan (17%)

Magenta (13%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6862, 0.3076, 0.3345 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 71.6862, 0.3076, 0.3345 by changing the saturation by 10% instead.



■ 71.6862, 0.3076,  
0.3345

■ 71.6862, 0.3076,  
0.3345

466.4486, 0.3100,  
0.3319

■ 52.9024, 0.3071,  
0.3351

121.6103, 0.3084,  
0.3336

■ 37.7248, 0.3064,  
0.3358

153.5193, 0.3088,  
0.3333

■ 25.7692, 0.3055,  
0.3367

190.5723, 0.3090,  
0.3330

■ 16.6511, 0.3044,  
0.3380

233.1534, 0.3093,  
0.3327

■ 9.9860, 0.3028,  
0.3397

281.6473, 0.3095,  
0.3325

■ 5.3897, 0.3005,  
0.3421

336.4381, 0.3097,

■ 2.4777, 0.2969,

0.3323

0.3461

397.9105, 0.3098,  
0.3321

0.8654, 0.2883,  
0.3550

0.0000, 0.0000,  
0.0000

71.6862, 0.3076,  
0.3345

71.6862, 0.3076,  
0.3345

68.1464, 0.2982,  
0.3457

75.7163, 0.3172,  
0.3245

65.0686, 0.2893,  
0.3581

80.1199, 0.3263,  
0.3156

62.4354, 0.2811,  
0.3716

80.6766, 0.3201,  
0.3066

60.2249, 0.2739,  
0.3862

81.2481, 0.3142,  
0.2979

■ 58.4131, 0.2681,  
0.4017

■ 56.9737, 0.2641,  
0.4178

■ 55.8769, 0.2619,  
0.4342

■ 55.0882, 0.2618,  
0.4505

■ 54.5653, 0.2636,  
0.4664

# Harmonies

## Analogous

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



71.6862, 0.3136, 0.3383



71.6862, 0.3076, 0.3345



71.6862, 0.3030, 0.3292

# Triad

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



71.6862, 0.3076, 0.3345



71.6862, 0.3060, 0.3186



71.6862, 0.3246, 0.3340

# Complementary

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



71.6862, 0.3076, 0.3345



67.2662, 0.3181, 0.3236

# 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.



71.6862, 0.3225, 0.3287



71.6862, 0.3076, 0.3345



71.6862, 0.3118, 0.3199

# Square

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



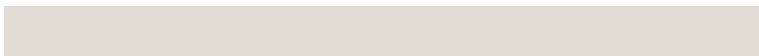
71.6862, 0.3076, 0.3345



71.6862, 0.3021, 0.3200



71.6862, 0.3178, 0.3236



71.6862, 0.3235, 0.3380



# Rectangle

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



71.6862, 0.3076, 0.3345



71.6862, 0.3013, 0.3256



71.6862, 0.3178, 0.3236



71.6862, 0.3243, 0.3323

# Sweetspot

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



71.6893, 0.3076, 0.3345



98.9093, 0.3108, 0.3310



72.1086, 0.3157, 0.3422



21.1821, 0.3109, 0.3309



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.



71.6893, 0.3076, 0.3345



96.8086, 0.3069, 0.3352



71.5298, 0.3044, 0.3281



15.6988, 0.3064, 0.3359



32.0018, 0.2643, 0.4713



2.2359, 0.2575, 0.4470



# Inverse Universe

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



67.2662, 0.3181, 0.3236



90.0625, 0.3189, 0.3228



67.4089, 0.3215, 0.3299



14.5030, 0.3195, 0.3222



9.7103, 0.5300, 0.2693

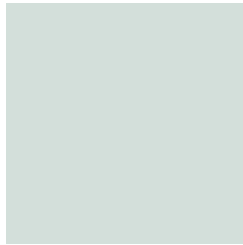


0.6906, 0.4902, 0.2474



# Previews

## White Background



This preview shows how the Yxy color 71.6862, 0.3076, 0.3345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

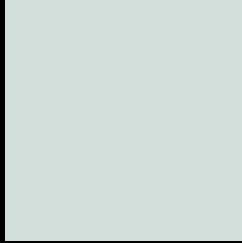
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.6862, 0.3076, 0.3345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

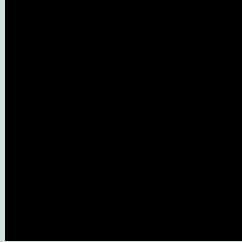
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

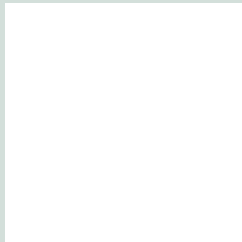
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.6862, 0.3076, 0.3345**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6862, 0.3076, 0.3345.

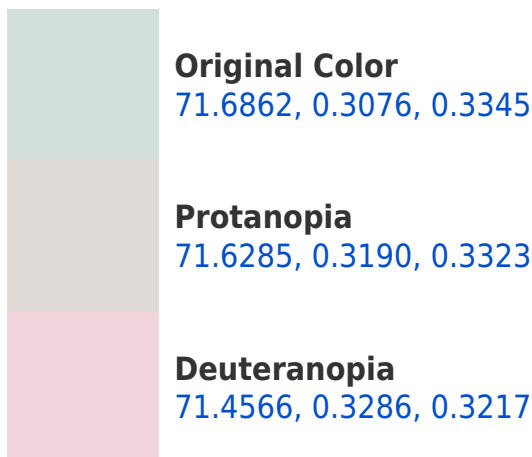


This preview shows how white text looks on a background with the Yxy color 71.6862, 0.3076, 0.3345.

# 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

71.5970, 0.2976, 0.3106

# Trichromacy



## Original Color

71.6862, 0.3076, 0.3345

## Protanomaly

71.4118, 0.3147, 0.3323

## Deuteranomaly

71.5632, 0.3208, 0.3269

## Tritanomaly

71.5722, 0.3013, 0.3191

# Monochromacy



## Original Color

71.6862, 0.3076, 0.3345

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.8998, 0.3105, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6862, 0.3076, 0.3345 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(211, 223, 218)` looks like.

```
.text, #text, p{  
    color:rgb(211, 223, 218)  
}
```

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(211, 223, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 223, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6862, 0.3076, 0.3345 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(211, 223, 218) }
```

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

```
.border{ border-color:rgb(211, 223, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 223, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 223, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 223, 218);  
box-shadow:4px 4px 4px 4px rgb(211, 223,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6862, 0.3076, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 223, 218) }
```

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

```
.background{ background-color: rgb(211,  
223, 218) }
```

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