

# Converting Colors

Yxy(69.8841, 0.3391, 0.3758)

Have a look what the booklet for  
Yxy(69.8841, 0.3391, 0.3758)  
contains.

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# Color

**Yxy(70.0276, 0.3397, 0.3764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDDB3
RGB	219, 221, 179
RGB Percent	86%, 87%, 70%
CMY	0.1413, 0.1333, 0.2981
CMYK	0.01, 0.00, 0.19, 0.13
HSL	63°, 38%, 78%
HSV	63°, 19%, 87%
XYZ	63.1997, 70.0276, 52.8184
YIQ	215.6140, 12.2900, -13.4860

# Conversions

## Conversions Part 2

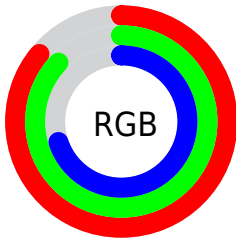
Format	Color
R <sub>YB</sub>	179, 221, 181
Decimal	14409139
CIE Lab	87.01, -7.60, 20.46
CIE LCh	87, 21.823, 110.379
Yxy	70.0276, 0.3397, 0.3764
Android (android.graphics.Color)	4292599219 (0xFFDBDDDB3)
YUV	215.6140, -18.0507, 2.9695
Hunter-Lab	83.6825, -11.6354, 21.1553

# Details

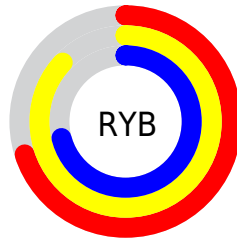
The Yxy color  $70.0276, 0.3397, 0.3764$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $47.2752, 0.2828, 0.2773$ , and the grayscale version is  $68.5105, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.7782, 0.3244, 0.3483$ , and  $36.6713, 0.3462, 0.3882$  is the 20% darker color. If you saturate the color by 10%, you get  $69.0418, 0.3540, 0.4018$ , and if you desaturate by 10%, it is  $71.1640, 0.3254, 0.3511$ .

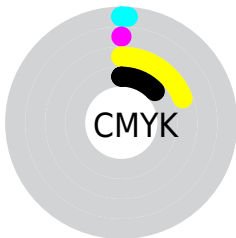
# Distribution



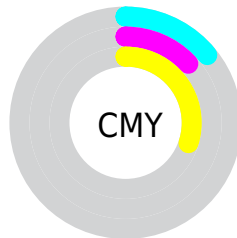
- Red (86%)
- Green (87%)
- Blue (70%)



- Red (70%)
- Yellow (87%)
- Blue (71%)



- Cyan (1%)
- Magenta (0%)
- Yellow (19%)
- Black (13%)




- Cyan (14%)
- Magenta (13%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0276, 0.3397, 0.3764 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 70.0276, 0.3397, 0.3764 by changing the saturation by 10% instead.




 70.0276, 0.3397,  
0.3764

 70.0276, 0.3397,  
0.3764


460.6469, 0.3273,  
0.3540

 51.5490, 0.3425,  
0.3816

 119.2481, 0.3354,  
0.3685

 36.6457, 0.3459,  
0.3881


150.7589, 0.3338,  
0.3655

 24.9333, 0.3501,  
0.3964


187.3824, 0.3323,  
0.3629

 16.0274, 0.3555,  
0.4073

229.5033, 0.3311,  
0.3607

 9.5435, 0.3627,  
0.4223

277.5057, 0.3300,  
0.3587

 5.0974, 0.3723,  
0.4441

331.7742, 0.3290,

 2.3045, 0.3885,

0.3569

0.4819

392.6932, 0.3281,  
0.3554

0.7761, 0.4157,  
0.5843

0.0000, 0.0000,  
0.0000

70.0276, 0.3397,  
0.3764

70.0276, 0.3397,  
0.3764

69.0418, 0.3540,  
0.4018

71.1640, 0.3254,  
0.3511

68.1905, 0.3677,  
0.4265

72.4480, 0.3114,  
0.3267

67.4694, 0.3803,  
0.4495

73.8887, 0.2980,  
0.3034

66.8704, 0.3912,  
0.4699

74.6687, 0.2928,  
0.2938

66.3846, 0.3998,  
0.4867

74.8393, 0.2935,  
0.2938

66.0018, 0.4060,  
0.4992

75.0109, 0.2942,  
0.2939

65.7098, 0.4095,  
0.5074

75.1836, 0.2949,  
0.2940

65.4896, 0.4107,  
0.5117

75.3574, 0.2956,  
0.2941

65.4695, 0.4108,  
0.5120

75.5323, 0.2963,  
0.2941

# Harmonies

## Analogous

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



70.0276, 0.3590, 0.3686



70.0276, 0.3397, 0.3764



70.0276, 0.3137, 0.3705

# Triad

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



70.0276, 0.3397, 0.3764



70.0276, 0.2624, 0.3038



70.0276, 0.3368, 0.3074

# Complementary

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



70.0276, 0.3397, 0.3764



47.2752, 0.2828, 0.2773

# Split Complementary

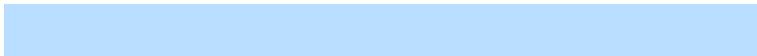
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0276, 0.3100, 0.2917



70.0276, 0.3397, 0.3764



70.0276, 0.2679, 0.2889

# Square

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



70.0276, 0.3397, 0.3764



70.0276, 0.2697, 0.3268



70.0276, 0.2849, 0.2849



70.0276, 0.3575, 0.3286



# Rectangle

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



70.0276, 0.3397, 0.3764



70.0276, 0.2961, 0.3592



70.0276, 0.2849, 0.2849



70.0276, 0.3281, 0.3014

# Sweetspot

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



70.0307, 0.3397, 0.3764



98.9134, 0.3212, 0.3437



51.4219, 0.3496, 0.3308



21.1472, 0.3221, 0.3454



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.



70.0307, 0.3397, 0.3764



96.2475, 0.3457, 0.3870



67.0600, 0.3244, 0.3788



15.2301, 0.3259, 0.3521



38.0417, 0.4110, 0.5119



2.4746, 0.4124, 0.5107



# Inverse Universe

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



47.2752, 0.2828, 0.2773



59.0256, 0.2753, 0.2644



49.9230, 0.2989, 0.2796



12.6471, 0.2988, 0.3049



3.0868, 0.1516, 0.0609

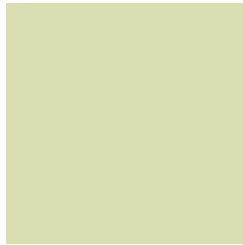


0.2108, 0.1564, 0.0635



# Previews

## White Background



This preview shows how the Yxy color 70.0276, 0.3397, 0.3764 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

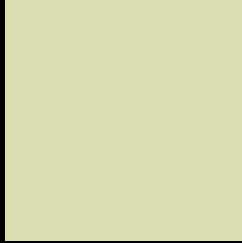
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0276, 0.3397, 0.3764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

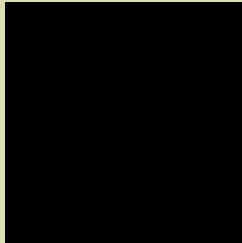
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.0276, 0.3397, 0.3764**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0276, 0.3397, 0.3764.



This preview shows how white text looks on a background with the Yxy color 70.0276, 0.3397, 0.3764.

# 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

70.0276, 0.3397, 0.3764

### Protanopia

69.7890, 0.3512, 0.3730

### Deuteranopia

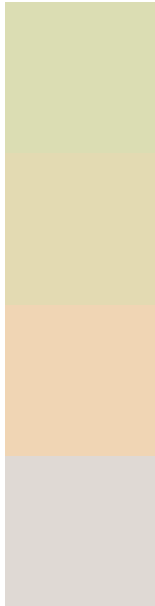
69.6326, 0.3669, 0.3583



## Tritanopia

70.0314, 0.3100, 0.3108

# Trichromacy



## Original Color

70.0276, 0.3397, 0.3764

## Protanomaly

69.6881, 0.3471, 0.3734

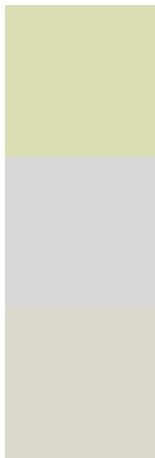
## Deuteranomaly

69.4091, 0.3570, 0.3646

## Tritanomaly

70.0671, 0.3205, 0.3345

# Monochromacy



## Original Color

70.0276, 0.3397, 0.3764

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.2063, 0.3221, 0.3458

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0276, 0.3397, 0.3764 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(219, 221, 179)` looks like.

```
.text, #text, p{  
    color:rgb(219, 221, 179)  
}
```

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(219, 221, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 221, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0276, 0.3397, 0.3764 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(219, 221, 179) }
```

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

```
.border{ border-color:rgb(219, 221, 179) }
```

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

Here you see how a box with a 4 pixel rgb(219, 221, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 221, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 221, 179);  
box-shadow:4px 4px 4px 4px rgb(219, 221,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0276, 0.3397, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 221, 179) }
```

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

```
.background{ background-color: rgb(219,  
221, 179) }
```

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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