

# Converting Colors

$Yxy(70.4127, 0.3228, 0.3565)$

Have a look what the booklet for  
Yxy(70.4127, 0.3228, 0.3565)  
contains.

<b>Yxy(70.4199, 0.3228, 0.3572)</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(70.4199, 0.3228, 0.3572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5DEC5
RGB	213, 222, 197
RGB Percent	84%, 87%, 77%
CMY	0.1648, 0.1294, 0.2273
CMYK	0.04, 0.00, 0.11, 0.13
HSL	82°, 27%, 82%
HSV	82°, 11%, 87%
XYZ	63.6381, 70.4199, 63.0861
YIQ	216.4590, 2.6610, -9.6830

# Conversions

## Conversions Part 2

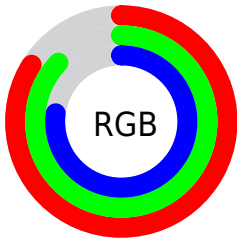
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 222, 206
Decimal	14016197
CIELab	87.20, -7.42, 11.20
CIELCh	87, 13.437, 123.520
Yxy	70.4199, 0.3228, 0.3572
Android (android.graphics.Color)	4292206277 (0xFFD5DEC5)
YUV	216.4590, -9.5933, -3.0335
Hunter-Lab	83.9166, -11.4885, 14.1690

# Details

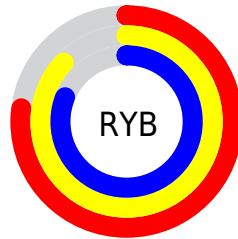
The Yxy color **70.4199, 0.3228, 0.3572** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.3589, 0.3018, 0.3004**, and the grayscale version is **69.0651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **36.8897, 0.3251, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **68.3072, 0.3318, 0.3840**, and if you desaturate by 10%, it is **72.7481, 0.3138, 0.3320**.

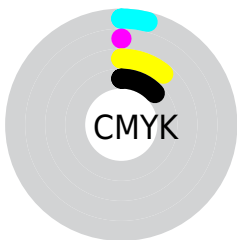
# Distribution



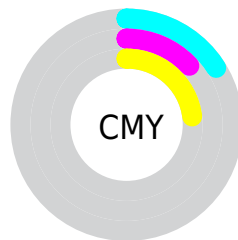
- Red (84%)
- Green (87%)
- Blue (77%)



- Red (77%)
- Yellow (87%)
- Blue (81%)



- Cyan (4%)
- Magenta (0%)
- Yellow (11%)
- Black (13%)



- Cyan (16%)
- Magenta (13%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4199, 0.3228, 0.3572 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 70.4199, 0.3228, 0.3572 by changing the saturation by 10% instead.



 70.4199, 0.3228,  
0.3572

 70.4199, 0.3228,  
0.3572


462.0230, 0.3182,  
0.3439

 51.8689, 0.3238,  
0.3603


119.8074, 0.3212,  
0.3525

 36.9006, 0.3251,  
0.3642


151.4127, 0.3206,  
0.3507

 25.1305, 0.3267,  
0.3692


188.1382, 0.3201,  
0.3492

 16.1743, 0.3288,  
0.3758

230.3683, 0.3196,  
0.3478

 9.6476, 0.3315,  
0.3849

278.4875, 0.3192,  
0.3467

 5.1659, 0.3353,  
0.3986

332.8800, 0.3188,

 2.3450, 0.3409,

0.3456

0.4208

393.9304, 0.3185,  
0.3447

0.7973, 0.3953,  
0.5465

0.0000, 0.0000,  
0.0000

70.4199, 0.3228,  
0.3572

70.4199, 0.3228,  
0.3572

68.3072, 0.3318,  
0.3840

72.7481, 0.3138,  
0.3320

66.3935, 0.3404,  
0.4120

75.2895, 0.3051,  
0.3087

64.6740, 0.3482,  
0.4403


77.4845, 0.3020,  
0.2957

63.1401, 0.3547,  
0.4680


78.8990, 0.3074,  
0.2963


 61.7826, 0.3596,  
0.4937


 80.3761, 0.3129,  
0.2968

 60.5913, 0.3622,  
0.5162

 80.7273, 0.3142,  
0.2970

 59.5545, 0.3623,  
0.5343

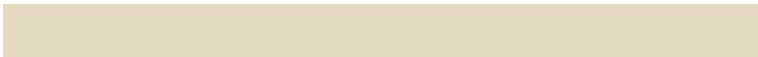
 58.6585, 0.3601,  
0.5473

 57.9699, 0.3565,  
0.5552

# Harmonies

## Analogous

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



70.4199, 0.3369, 0.3564



70.4199, 0.3228, 0.3572



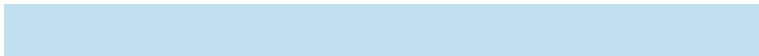
70.4199, 0.3063, 0.3499

# Triad

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



70.4199, 0.3228, 0.3572



70.4199, 0.2819, 0.3089



70.4199, 0.3338, 0.3213

# Complementary

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



70.4199, 0.3228, 0.3572



58.3589, 0.3018, 0.3004

# 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.



70.4199, 0.3186, 0.3094



70.4199, 0.3228, 0.3572



70.4199, 0.2888, 0.3021

# Square

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



70.4199, 0.3228, 0.3572



70.4199, 0.2830, 0.3214



70.4199, 0.3021, 0.3024



70.4199, 0.3434, 0.3353



# Rectangle

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



70.4199, 0.3228, 0.3572



70.4199, 0.2962, 0.3415



70.4199, 0.3021, 0.3024



70.4199, 0.3291, 0.3169

# Sweetspot

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



70.4230, 0.3228, 0.3572



98.9958, 0.3154, 0.3364



63.6013, 0.3316, 0.3389



21.1327, 0.3161, 0.3383



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

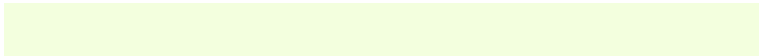


# Same Dimension

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



70.4230, 0.3228, 0.3572



95.8416, 0.3245, 0.3621



68.6685, 0.3140, 0.3580



15.7687, 0.3212, 0.3525



34.4947, 0.3574, 0.5544



2.4410, 0.3670, 0.5468



# Inverse Universe

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



58.3589, 0.3018, 0.3004



76.8490, 0.2998, 0.2954



60.1724, 0.3111, 0.3012



13.4834, 0.3037, 0.3052



4.2113, 0.1789, 0.0759

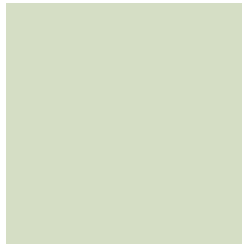


0.3413, 0.1962, 0.0854



# Previews

## White Background



This preview shows how the Yxy color 70.4199, 0.3228, 0.3572 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

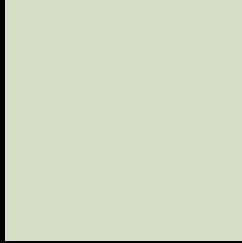
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4199, 0.3228, 0.3572 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

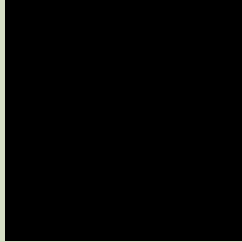
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

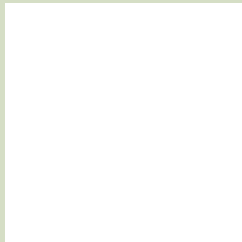
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4199, 0.3228, 0.3572**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4199, 0.3228, 0.3572.

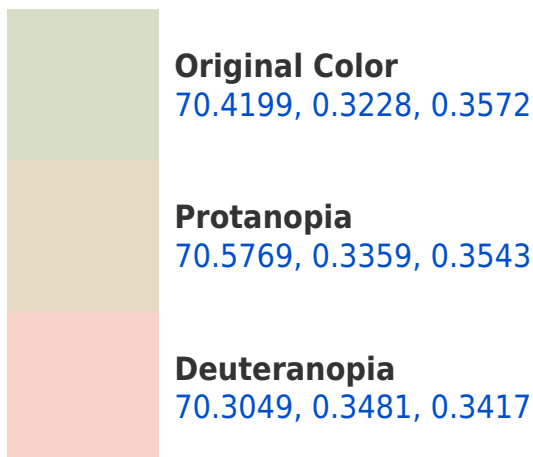


This preview shows how white text looks on a background with the Yxy color 70.4199, 0.3228, 0.3572.

# 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

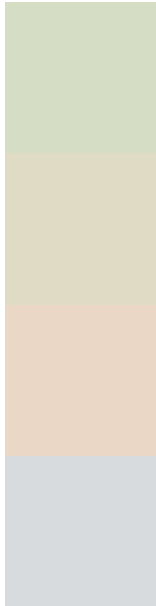




## Tritanopia

70.4716, 0.3023, 0.3106

# Trichromacy



**Original Color**

70.4199, 0.3228, 0.3572

**Protanomaly**

70.3365, 0.3313, 0.3545

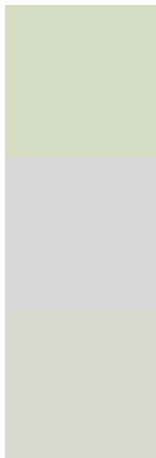
**Deuteranomaly**

70.1705, 0.3388, 0.3474

**Tritanomaly**

70.4824, 0.3093, 0.3268

# Monochromacy



**Original Color**

70.4199, 0.3228, 0.3572

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

69.1933, 0.3166, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4199, 0.3228, 0.3572 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(213, 222, 197)` looks like.

```
.text, #text, p{  
    color:rgb(213, 222, 197)  
}
```

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(213, 222, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 222, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4199, 0.3228, 0.3572 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(213, 222, 197) }
```

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

```
.border{ border-color:rgb(213, 222, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 222, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 222, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 222, 197);  
box-shadow:4px 4px 4px 4px rgb(213, 222,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4199, 0.3228, 0.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 222, 197) }
```

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

```
.background{ background-color: rgb(213,  
222, 197) }
```

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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