

# Converting Colors

$Yxy(70.7420, 0.3199, 0.3467)$

Have a look what the booklet for  
Yxy(70.7420, 0.3199, 0.3467)  
contains.

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# Color

**Yxy(70.7196, 0.3198, 0.3469)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8DDCD
RGB	216, 221, 205
RGB Percent	85%, 87%, 80%
CMY	0.1529, 0.1333, 0.1962
CMYK	0.02, 0.00, 0.07, 0.13
HSL	79°, 19%, 84%
HSV	79°, 7%, 87%
XYZ	65.1949, 70.7196, 67.9471
YIQ	217.6810, 2.1560, -6.0360

# Conversions

## Conversions Part 2

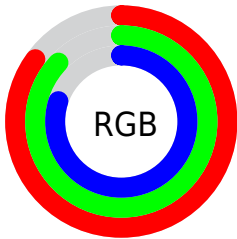
<b>Format</b>	<b>Color</b>
<b>RYB</b>	205, 221, 210
Decimal	14212557
CIELab	87.35, -4.51, 7.28
CIELCh	87, 8.563, 121.800
Yxy	70.7196, 0.3198, 0.3469
Android (android.graphics.Color)	4292402637 (0xFFD8DDCD)
YUV	217.6810, -6.2517, -1.4742
Hunter-Lab	84.0949, -8.7833, 10.9613

# Details

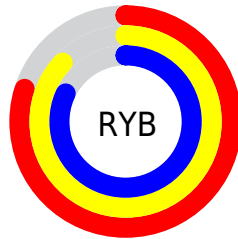
The Yxy color **70.7196, 0.3198, 0.3469** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.5594, 0.3053, 0.3109**, and the grayscale version is **69.9245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0839, 0.3211, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **68.7054, 0.3297, 0.3730**, and if you desaturate by 10%, it is **72.9344, 0.3101, 0.3225**.

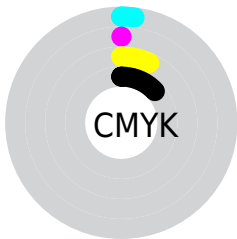
# Distribution



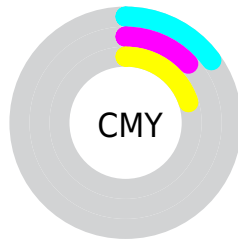
- Red (85%)
- Green (87%)
- Blue (80%)



- Red (80%)
- Yellow (87%)
- Blue (82%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (13%)



- Cyan (15%)
- Magenta (13%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7196, 0.3198, 0.3469 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 70.7196, 0.3198, 0.3469 by changing the saturation by 10% instead.



■ 70.7196, 0.3198,  
0.3469

■ 70.7196, 0.3198,  
0.3469

463.0726, 0.3165,  
0.3385

■ 52.1134, 0.3205,  
0.3489

120.2344, 0.3187,  
0.3440

■ 37.0955, 0.3215,  
0.3513

151.9118, 0.3182,  
0.3428

■ 25.2814, 0.3226,  
0.3544

188.7150, 0.3179,  
0.3419

■ 16.2868, 0.3241,  
0.3585

231.0284, 0.3175,  
0.3410

■ 9.7274, 0.3262,  
0.3642

279.2365, 0.3172,  
0.3403

■ 5.2186, 0.3291,  
0.3726

333.7237, 0.3170,

■ 2.3761, 0.3336,

0.3396

0.3862

394.8742, 0.3167,  
0.3390

■ 0.8135, 0.3577,  
0.4389

■ 0.0000, 0.0000,  
0.0000

■ 70.7196, 0.3198,  
0.3469

■ 70.7196, 0.3198,  
0.3469

■ 68.7054, 0.3297,  
0.3730

■ 72.9344, 0.3101,  
0.3225

■ 66.8759, 0.3393,  
0.4002

■ 75.3470, 0.3007,  
0.2999


■ 65.2267, 0.3484,  
0.4279

■ 76.8743, 0.3017,  
0.2947


■ 63.7501, 0.3565,  
0.4552

■ 78.0767, 0.3064,  
0.2952

 62.4376, 0.3629,  
0.4810


 79.3249, 0.3111,  
0.2957

 61.2798, 0.3673,  
0.5039

 80.1949, 0.3143,  
0.2960

 60.2663, 0.3693,  
0.5228

 59.3847, 0.3688,  
0.5370

 58.6189, 0.3659,  
0.5463

# Harmonies

## Analogous

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



70.7196, 0.3285, 0.3462



70.7196, 0.3198, 0.3469



70.7196, 0.3093, 0.3425

# Triad

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



70.7196, 0.3198, 0.3469



70.7196, 0.2929, 0.3167



70.7196, 0.3256, 0.3236

# Complementary

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



70.7196, 0.3198, 0.3469



62.5594, 0.3053, 0.3109

# 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.



70.7196, 0.3159, 0.3160



70.7196, 0.3198, 0.3469



70.7196, 0.2970, 0.3120

# Square

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



70.7196, 0.3198, 0.3469



70.7196, 0.2939, 0.3249



70.7196, 0.3054, 0.3118



70.7196, 0.3319, 0.3327



# Rectangle

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



70.7196, 0.3198, 0.3469



70.7196, 0.3027, 0.3374



70.7196, 0.3054, 0.3118



70.7196, 0.3227, 0.3208

# Sweetspot

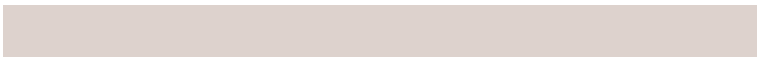
The Sweet Spot groups the original color and five complimentary colors.



70.7227, 0.3198, 0.3469



99.3765, 0.3147, 0.3339



65.7609, 0.3246, 0.3344



21.2772, 0.3146, 0.3336



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.



70.7227, 0.3198, 0.3469



97.2814, 0.3216, 0.3515



69.5555, 0.3141, 0.3472



15.0504, 0.3219, 0.3524



33.9994, 0.3657, 0.5478



2.2475, 0.3747, 0.5407



# Inverse Universe

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



62.5594, 0.3053, 0.3109



83.3437, 0.3033, 0.3061



63.7394, 0.3111, 0.3112



12.8125, 0.3029, 0.3052



3.8137, 0.1719, 0.0721

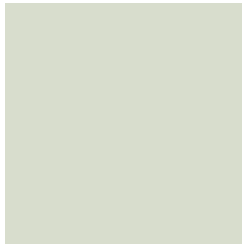


0.2919, 0.1898, 0.0819



# Previews

## White Background



This preview shows how the Yxy color 70.7196, 0.3198, 0.3469 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 70.7196, 0.3198, 0.3469 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

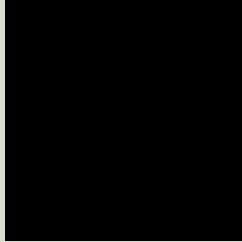
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

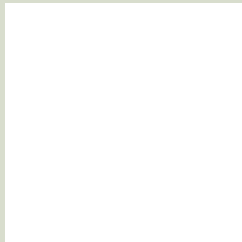
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.7196, 0.3198, 0.3469**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7196, 0.3198, 0.3469.



This preview shows how white text looks on a background with the Yxy color 70.7196, 0.3198, 0.3469.

# 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

70.7196, 0.3198, 0.3469

### Protanopia

70.6234, 0.3288, 0.3455

### Deuteranopia

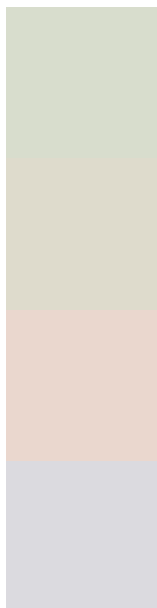
70.3266, 0.3406, 0.3333



## Tritanopia

70.7819, 0.3037, 0.3107

# Trichromacy



## Original Color

70.7196, 0.3198, 0.3469

## Protanomaly

70.5523, 0.3250, 0.3456

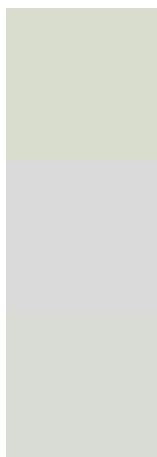
## Deuteranomaly

70.5495, 0.3331, 0.3387

## Tritanomaly

70.5306, 0.3101, 0.3235

# Monochromacy



## Original Color

70.7196, 0.3198, 0.3469

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.2188, 0.3153, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7196, 0.3198, 0.3469 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(216, 221, 205)` looks like.

```
.text, #text, p{  
    color:rgb(216, 221, 205)  
}
```

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(216, 221, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 221, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7196, 0.3198, 0.3469 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(216, 221, 205) }
```

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

```
.border{ border-color:rgb(216, 221, 205) }
```

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

Here you see how a box with a 4 pixel rgb(216, 221, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 221, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 221, 205);  
box-shadow:4px 4px 4px 4px rgb(216, 221,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7196, 0.3198, 0.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 221, 205) }
```

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

```
.background{ background-color: rgb(216,  
221, 205) }
```

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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