

Converting Colors

Yxy(70.8271, 0.3169, 0.3464)

Have a look what the booklet for
Yxy(70.8271, 0.3169, 0.3464)
contains.

Yxy(70.8449, 0.3169, 0.3469)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.8449, 0.3169, 0.3469)

Conversions

Conversions Part 1	
Format	Color
Hex	D5DECE
RGB	213, 222, 206
RGB Percent	84%, 87%, 81%
CMY	0.1644, 0.1295, 0.1921
CMYK	0.04, 0.00, 0.07, 0.13
HSL	93°, 19%, 84%
HSV	93°, 7%, 87%
XYZ	64.7182, 70.8449, 68.6597
YIQ	217.4850, -0.2280, -6.8840

Conversions

Conversions Part 2

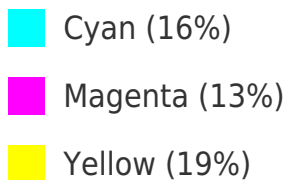
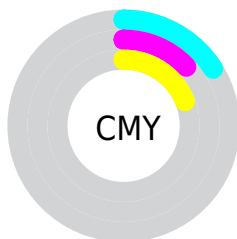
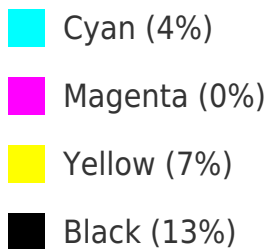
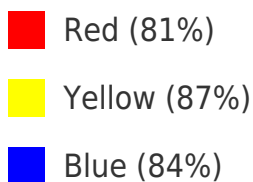
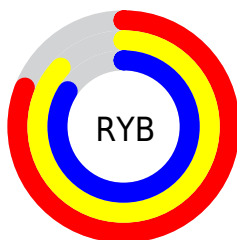
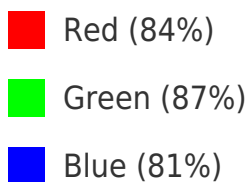
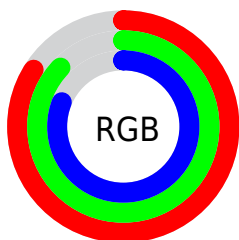
Format	Color
RYB	206, 222, 215
Decimal	14016206
CIELab	87.41, -5.85, 6.79
CIELCh	87, 8.962, 130.771
Yxy	70.8449, 0.3169, 0.3469
Android (android.graphics.Color)	4292206286 (0xFFD5DECE)
YUV	217.4850, -5.6621, -3.9333
Hunter-Lab	84.1694, -10.0471, 10.5538

Details

The Yxy color `70.8449, 0.3169, 0.3469` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `63.8544, 0.3083, 0.3112`, and the grayscale version is `69.7868, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `37.1735, 0.3172, 0.3511` is the 20% darker color. If you saturate the color by 10%, you get `68.0615, 0.3226, 0.3738`, and if you desaturate by 10%, it is `73.9282, 0.3111, 0.3224`.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8449, 0.3169, 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 70.8449, 0.3169, 0.3469 by changing the saturation by 10% instead.


 70.8449, 0.3169,
0.3469

 70.8449, 0.3169,
0.3469

463.5111, 0.3150,
0.3385

 52.2156, 0.3173,
0.3489


120.4129, 0.3162,
0.3440

 37.1770, 0.3179,
0.3513


152.1203, 0.3160,
0.3428

 25.3445, 0.3185,
0.3544


188.9560, 0.3158,
0.3418

 16.3339, 0.3194,
0.3585

231.3043, 0.3156,
0.3410

 9.7608, 0.3205,
0.3643

279.5495, 0.3154,
0.3403

 5.2406, 0.3221,
0.3728


334.0761, 0.3153,


 2.3891, 0.3244,


0.3396


0.3866


395.2685, 0.3151,
0.3390


 0.8203, 0.3395,
0.4373


 0.0000, 0.0000,
0.0000


 70.8449, 0.3169,
0.3469


 70.8449, 0.3169,
0.3469


 68.0615, 0.3226,
0.3738


 73.9282, 0.3111,
0.3224


 65.5594, 0.3281,
0.4027

 77.3112, 0.3054,
0.3002

 63.3316, 0.3329,
0.4330

 79.8195, 0.3109,
0.2966

 61.3673, 0.3367,
0.4638

 80.7145, 0.3142,
0.2970

■ 59.6551, 0.3392,
0.4938

■ 58.1824, 0.3398,
0.5213

■ 56.9353, 0.3384,
0.5447

■ 55.8981, 0.3350,
0.5627

■ 55.0508, 0.3298,
0.5748

Harmonies

Analogous

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



70.8449, 0.3269, 0.3478



70.8449, 0.3169, 0.3469



70.8449, 0.3060, 0.3409

Triad

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



70.8449, 0.3169, 0.3469



70.8449, 0.2927, 0.3142



70.8449, 0.3287, 0.3261

Complementary

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



70.8449, 0.3169, 0.3469



63.8544, 0.3083, 0.3112

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.



70.8449, 0.3193, 0.3175



70.8449, 0.3169, 0.3469



70.8449, 0.2986, 0.3106

Square

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



70.8449, 0.3169, 0.3469



70.8449, 0.2921, 0.3218



70.8449, 0.3083, 0.3119



70.8449, 0.3338, 0.3356

Rectangle

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



70.8449, 0.3169, 0.3469



70.8449, 0.2996, 0.3350



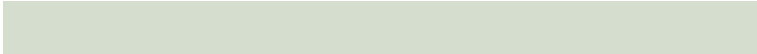
70.8449, 0.3083, 0.3119



70.8449, 0.3259, 0.3230

Sweetspot

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



70.8480, 0.3169, 0.3469



99.1402, 0.3139, 0.3339



68.4803, 0.3241, 0.3388



21.2291, 0.3138, 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.



70.8480, 0.3169, 0.3469



96.2612, 0.3180, 0.3518



69.8529, 0.3113, 0.3462



15.6323, 0.3182, 0.3528



32.6422, 0.3293, 0.5767



2.3150, 0.3414, 0.5671

Inverse Universe

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



63.8544, 0.3083, 0.3112



84.3474, 0.3070, 0.3064



64.9038, 0.3141, 0.3123



13.6184, 0.3068, 0.3054



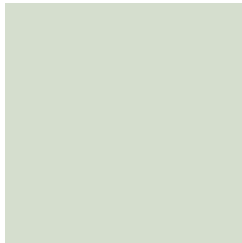
5.7378, 0.2144, 0.0955



0.4505, 0.2301, 0.1041

Previews

White Background



This preview shows how the Yxy color 70.8449, 0.3169, 0.3469 looks on a white background.

Color Contrast Check

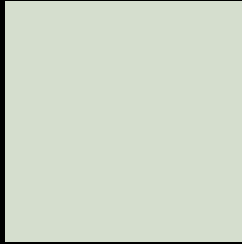
Large Text (above 18pt) WCAG AA × Fail

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 70.8449, 0.3169, 0.3469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

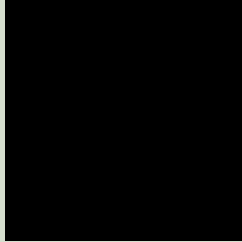
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

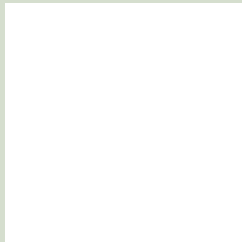
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8449, 0.3169, 0.3469

Background



This preview shows how black text looks on a background with the Yxy color 70.8449, 0.3169, 0.3469.



This preview shows how white text looks on a background with the Yxy color 70.8449, 0.3169, 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

70.8449, 0.3169, 0.3469

Protanopia

70.6712, 0.3281, 0.3444

Deuteranopia

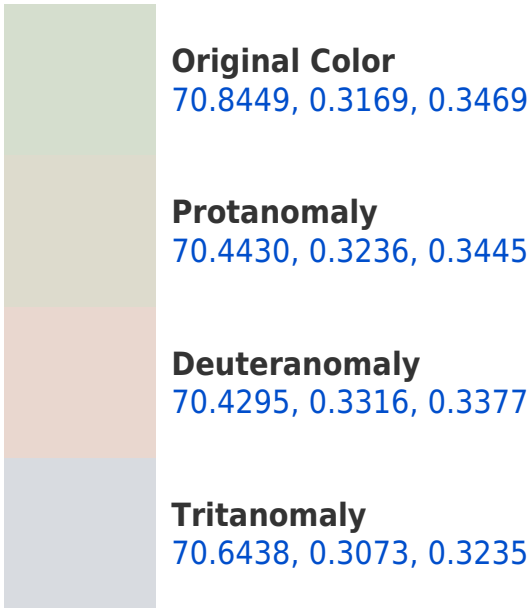
70.3757, 0.3398, 0.3322



Tritanopia

71.0464, 0.3016, 0.3107

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8449, 0.3169, 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(213, 222, 206) looks like.

```
.text, #text, p{  
    color:rgb(213, 222, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 222, 206) }
```

Border

The CSS property to change the border of an element to Yxy 70.8449, 0.3169, 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(213, 222, 206) }
```

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

```
.border{ border-color:rgb(213, 222, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 222, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 222, 206);  
box-shadow:4px 4px 4px 4px rgb(213, 222,  
206) }
```

Background

The CSS property to change the background color of an element to Yxy 70.8449, 0.3169, 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(213, 222, 206) }
```

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

```
.background{ background-color: rgb(213,  
222, 206) }
```

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