

Converting Colors

$Yxy(70.6474, 0.3168, 0.3481)$

Have a look what the booklet for
Yxy(70.6474, 0.3168, 0.3481)
contains.

Yxy(70.6474, 0.3168, 0.3481)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.6474, 0.3168, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	D4DECD
RGB	212, 222, 205
RGB Percent	83%, 87%, 80%
CMY	0.1686, 0.1294, 0.1960
CMYK	0.04, 0.00, 0.08, 0.13
HSL	95°, 20%, 84%
HSV	95°, 8%, 87%
XYZ	64.2950, 70.6474, 68.0090
YIQ	217.0720, -0.5030, -7.4070

Conversions

Conversions Part 2

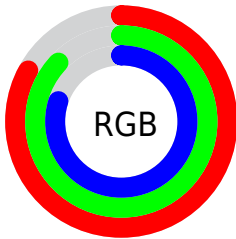
Format	Color
R_{YB}	205, 222, 215
Decimal	13950669
CIE Lab	87.31, -6.40, 7.16
CIE LCh	87, 9.606, 131.768
Yxy	70.6474, 0.3168, 0.3481
Android (android.graphics.Color)	4292140749 (0xFFD4DECD)
YUV	217.0720, -5.9515, -4.4481
Hunter-Lab	84.0520, -10.5486, 10.8631

Details

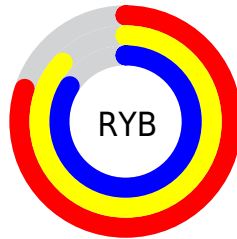
The Yxy color **70.6474, 0.3168, 0.3481** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.3870, 0.3083, 0.3100**, and the grayscale version is **69.4849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0399, 0.3172, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **67.7913, 0.3220, 0.3752**, and if you desaturate by 10%, it is **73.8185, 0.3115, 0.3234**.

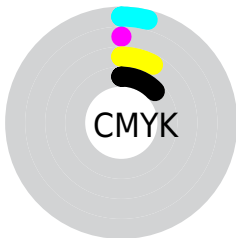
Distribution



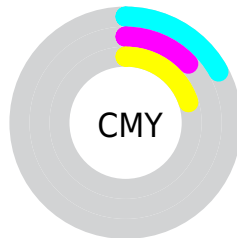
- Red (83%)
- Green (87%)
- Blue (80%)



- Red (80%)
- Yellow (87%)
- Blue (84%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)



- Cyan (17%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6474, 0.3168, 0.3481 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 70.6474, 0.3168, 0.3481 by changing the saturation by 10% instead.

■ 70.6474, 0.3168,
0.3481

■ 70.6474, 0.3168,
0.3481

462.8199, 0.3150,
0.3391

■ 52.0545, 0.3172,
0.3502

120.1315, 0.3162,
0.3449

■ 37.0485, 0.3177,
0.3528

151.7915, 0.3159,
0.3437

■ 25.2451, 0.3184,
0.3561

188.5761, 0.3157,
0.3427

■ 16.2597, 0.3192,
0.3606

230.8695, 0.3155,
0.3418

■ 9.7081, 0.3203,
0.3667

279.0562, 0.3153,
0.3410

■ 5.2059, 0.3218,
0.3759

333.5205, 0.3152,

■ 2.3686, 0.3239,

0.3403

394.6470, 0.3151,
0.3397

0.3908

0.8096, 0.3401,
0.4489

0.0000, 0.0000,
0.0000

70.6474, 0.3168,
0.3481

70.6474, 0.3168,
0.3481

67.7913, 0.3220,
0.3752

73.8185, 0.3115,
0.3234

65.2309, 0.3270,
0.4043

77.3050, 0.3062,
0.3012

62.9588, 0.3313,
0.4350

80.0027, 0.3116,
0.2967

60.9635, 0.3346,
0.4662

80.7234, 0.3142,
0.2970

■ 59.2328, 0.3365,
0.4966

■ 57.7536, 0.3367,
0.5245

■ 56.5110, 0.3349,
0.5481

■ 55.4884, 0.3312,
0.5661

■ 54.6644, 0.3260,
0.5781

Harmonies

Analogous

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



70.6474, 0.3276, 0.3492



70.6474, 0.3168, 0.3481



70.6474, 0.3051, 0.3415

Triad

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



70.6474, 0.3168, 0.3481



70.6474, 0.2914, 0.3129



70.6474, 0.3301, 0.3262

Complementary

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



70.6474, 0.3168, 0.3481



63.3870, 0.3083, 0.3100

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.



70.6474, 0.3202, 0.3170



70.6474, 0.3168, 0.3481



70.6474, 0.2978, 0.3093

Square

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



70.6474, 0.3168, 0.3481



70.6474, 0.2906, 0.3209



70.6474, 0.3083, 0.3108



70.6474, 0.3354, 0.3364

Rectangle

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



70.6474, 0.3168, 0.3481



70.6474, 0.2983, 0.3351



70.6474, 0.3083, 0.3108



70.6474, 0.3272, 0.3229

Sweetspot

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



70.6504, 0.3168, 0.3481



99.1117, 0.3138, 0.3339



68.4986, 0.3248, 0.3400



21.2233, 0.3137, 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.



70.6504, 0.3168, 0.3481



96.1396, 0.3176, 0.3518



69.7005, 0.3109, 0.3467



15.6117, 0.3178, 0.3528



32.4289, 0.3257, 0.5796



2.2993, 0.3379, 0.5699

Inverse Universe

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



63.3870, 0.3083, 0.3100



84.4713, 0.3075, 0.3064



64.3946, 0.3146, 0.3119



13.6394, 0.3072, 0.3054



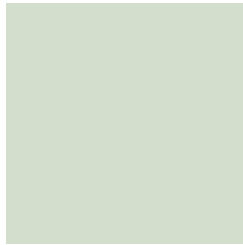
6.0416, 0.2208, 0.0990



0.4708, 0.2359, 0.1073

Previews

White Background



This preview shows how the Yxy color 70.6474, 0.3168, 0.3481 looks on a white background.

Color Contrast Check

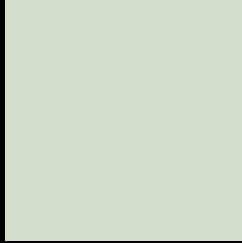
Large Text (above 18pt) WCAG AA × Fail

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 70.6474, 0.3168, 0.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

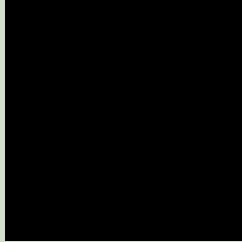
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

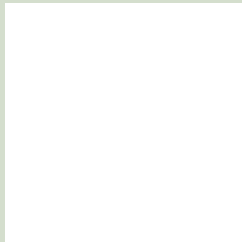
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6474, 0.3168, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 70.6474, 0.3168, 0.3481.



This preview shows how white text looks on a background with the Yxy color 70.6474, 0.3168, 0.3481.

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

70.6474, 0.3168, 0.3481

Protanopia

70.6234, 0.3288, 0.3455

Deuteranopia

70.3266, 0.3406, 0.3333



Tritanopia

70.8927, 0.3009, 0.3106

Trichromacy



Original Color

70.6474, 0.3168, 0.3481

Protanomaly

70.3948, 0.3243, 0.3456

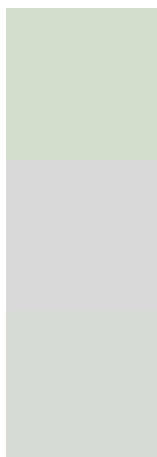
Deuteranomaly

70.2129, 0.3316, 0.3388

Tritanomaly

70.4919, 0.3066, 0.3235

Monochromacy



Original Color

70.6474, 0.3168, 0.3481

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.9142, 0.3138, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6474, 0.3168, 0.3481 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(212, 222, 205)` looks like.

```
.text, #text, p{  
    color:rgb(212, 222, 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(212, 222, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 222, 205) }
```

Border

The CSS property to change the border of an element to Yxy 70.6474, 0.3168, 0.3481 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(212, 222, 205) }
```

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

```
.border{ border-color:rgb(212, 222, 205) }
```

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

Here you see how a box with a 4 pixel rgb(212, 222, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 222, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 222, 205);  
box-shadow:4px 4px 4px 4px rgb(212, 222,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6474, 0.3168, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 222, 205) }
```

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

```
.background{ background-color: rgb(212,  
222, 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](#).

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