

# Converting Colors

$Y_{xy}(28.1969, 0.3142, 0.3829)$

Have a look what the booklet for  
Yxy(28.1969, 0.3142, 0.3829)  
contains.

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# Color

**Yxy(28.1969, 0.3142, 0.3829)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7D9879
RGB	125, 152, 121
RGB Percent	49%, 60%, 47%
CMY	0.5097, 0.4039, 0.5256
CMYK	0.18, 0.00, 0.20, 0.40
HSL	112°, 13%, 54%
HSV	112°, 20%, 60%
XYZ	23.1378, 28.1969, 22.3057
YIQ	140.3930, -6.1410, -15.3650

# Conversions

## Conversions Part 2

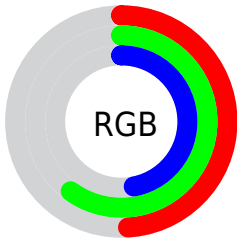
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 152, 148
Decimal	8231033
CIELab	60.07, -15.67, 13.25
CIELCh	60, 20.522, 139.792
Yxy	28.1969, 0.3142, 0.3829
Android (android.graphics.Color)	4286421113 (0xFF7D9879)
YUV	140.3930, -9.5607, -13.4997
Hunter-Lab	53.1008, -15.1478, 12.2650

# Details

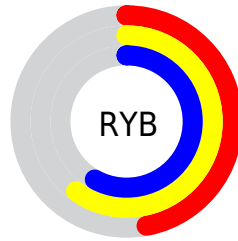
The Yxy color  $28.1969, 0.3142, 0.3829$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $22.2296, 0.3103, 0.2792$ , and the grayscale version is  $26.4274, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $56.6247, 0.3145, 0.3712$ , and  $11.3117, 0.3148, 0.4045$  is the 20% darker color. If you saturate the color by 10%, you get  $26.9242, 0.3145, 0.4136$ , and if you desaturate by 10%, it is  $29.6632, 0.3136, 0.3549$ .

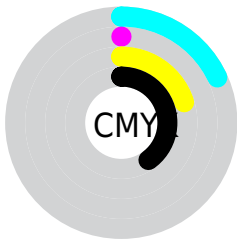
# Distribution



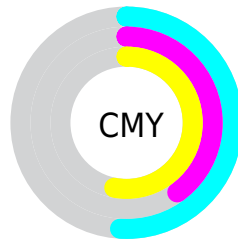
- Red (49%)
- Green (60%)
- Blue (47%)



- Red (47%)
- Yellow (60%)
- Blue (58%)



- Cyan (18%)
- Magenta (0%)
- Yellow (20%)
- Black (40%)




- Cyan (51%)
- Magenta (40%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1969, 0.3142, 0.3829 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 28.1969, 0.3142, 0.3829 by changing the saturation by 10% instead.





 28.1969, 0.3142,  
0.3829


 28.1969, 0.3142,  
0.3829


293.4066, 0.3138,  
0.3529


 18.4741, 0.3141,  
0.3916


 56.7986, 0.3142,  
0.3711

 11.2909, 0.3138,  
0.4037


 76.4464, 0.3141,  
0.3670

 6.2629, 0.3130,  
0.4215


 100.1713, 0.3141,  
0.3636

 3.0056, 0.3110,  
0.4501

128.3578, 0.3140,  
0.3607

 1.1346, 0.3224,  
0.5407

161.3901, 0.3140,  
0.3583

 0.0073, 0.0000,  
1.0000

199.6528, 0.3139,

 0.0000, 0.0000,

0.3562

0.0000

243.5301, 0.3139,  
0.3544

■ 28.1969, 0.3142,  
0.3829

■ 28.1969, 0.3142,  
0.3829

■ 26.9242, 0.3145,  
0.4136

■ 29.6632, 0.3136,  
0.3549

■ 25.8336, 0.3145,  
0.4465

■ 31.3271, 0.3128,  
0.3300

■ 24.9179, 0.3140,  
0.4803

■ 33.1967, 0.3118,  
0.3079

■ 24.1677, 0.3128,  
0.5133

■ 35.2788, 0.3108,  
0.2887

■ 23.5731, 0.3111,  
0.5433

■ 37.5798, 0.3098,  
0.2719

■ 23.1230, 0.3088,  
0.5680

■ 40.1059, 0.3088,  
0.2573

■ 22.8046, 0.3062,  
0.5857

■ 42.8630, 0.3079,  
0.2447

■ 22.6032, 0.3040,  
0.5968

■ 45.8567, 0.3069,  
0.2337

■ 48.9121, 0.3082,  
0.2264

# Harmonies

## Analogous

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



28.1969, 0.3473, 0.3896



28.1969, 0.3142, 0.3829



28.1969, 0.2819, 0.3589

# Triad

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



28.1969, 0.3142, 0.3829



28.1969, 0.2559, 0.2784



28.1969, 0.3696, 0.3275

# Complementary

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



28.1969, 0.3142, 0.3829



22.2296, 0.3103, 0.2792

# 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.



28.1969, 0.3426, 0.3013



28.1969, 0.3142, 0.3829



28.1969, 0.2768, 0.2735

# Square

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



28.1969, 0.3142, 0.3829



28.1969, 0.2494, 0.2970



28.1969, 0.3083, 0.2820



28.1969, 0.3804, 0.3554



# Rectangle

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



28.1969, 0.3142, 0.3829



28.1969, 0.2650, 0.3375



28.1969, 0.3083, 0.2820



28.1969, 0.3620, 0.3183

# Sweetspot

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



28.1981, 0.3142, 0.3829



53.5745, 0.3132, 0.3438



29.1929, 0.3437, 0.3721



12.1383, 0.3133, 0.3453



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290



# Same Dimension

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



28.1981, 0.3142, 0.3829



48.8193, 0.3144, 0.3951



28.1960, 0.3000, 0.3630



6.9622, 0.3135, 0.3518



18.9604, 0.3043, 0.5966



0.2922, 0.3220, 0.5825



# Inverse Universe

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



22.2296, 0.3103, 0.2792



36.5429, 0.3096, 0.2689



22.2576, 0.3281, 0.2973



6.2829, 0.3118, 0.3069



6.0380, 0.2890, 0.1366



0.1002, 0.3042, 0.1450



# Previews

## White Background



This preview shows how the Yxy color 28.1969, 0.3142, 0.3829 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1969, 0.3142, 0.3829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

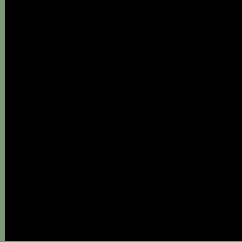
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.1969, 0.3142, 0.3829**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.1969, 0.3142, 0.3829.



This preview shows how white text looks on a background with the Yxy color 28.1969, 0.3142, 0.3829.

# 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

28.1969, 0.3142, 0.3829

### Protanopia

28.0032, 0.3501, 0.3725

### Deuteranopia

28.0275, 0.3593, 0.3521



## Tritanopia

28.1959, 0.2859, 0.3094

# Trichromacy



**Original Color**

28.1969, 0.3142, 0.3829

**Protanomaly**

28.0151, 0.3370, 0.3772

**Deuteranomaly**

27.9559, 0.3416, 0.3630

**Tritanomaly**

28.2064, 0.2964, 0.3356

# Monochromacy



**Original Color**

28.1969, 0.3142, 0.3829

**Achromatopsia**

26.2251, 0.3127, 0.3290

**Achromatomaly**

26.7909, 0.3140, 0.3476

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.1969, 0.3142, 0.3829 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(125, 152, 121)` looks like.

```
.text, #text, p{  
    color:rgb(125, 152, 121)  
}
```

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(125, 152, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 152, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 28.1969, 0.3142, 0.3829 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(125, 152, 121) }
```

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

```
.border{ border-color:rgb(125, 152, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 152, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 152, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 152, 121);  
box-shadow:4px 4px 4px 4px rgb(125, 152,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.1969, 0.3142, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 152, 121) }
```

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

```
.background{ background-color: rgb(125,  
152, 121) }
```

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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