

# Converting Colors

$Y_{xy}(42.1881, 0.3802, 0.4326)$

Have a look what the booklet for  
Yxy(42.1881, 0.3802, 0.4326)  
contains.

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# Color

**Yxy(42.1881, 0.3802, 0.4326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5B164
RGB	181, 177, 100
RGB Percent	71%, 69%, 39%
CMY	0.2902, 0.3059, 0.6077
CMYK	0.00, 0.02, 0.45, 0.29
HSL	57°, 35%, 55%
HSV	57°, 45%, 71%
XYZ	37.0779, 42.1881, 18.2562
YIQ	169.4180, 27.1010, -23.0990

# Conversions

## Conversions Part 2

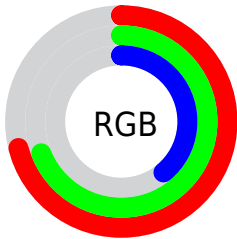
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">104, 181, 100</a>
Decimal	<a href="#">11907428</a>
CIELab	<a href="#">71.00, -9.66, 39.72</a>
CIELCh	<a href="#">71, 40.875, 103.674</a>
Yxy	<a href="#">42.1881, 0.3802, 0.4326</a>
Android (android.graphics.Color)	<a href="#">4290097508 (0xFFB5B164)</a>
YUV	<a href="#">169.4180, -34.2231, 10.1574</a>
Hunter-Lab	<a href="#">64.9524, -11.7703, 28.8020</a>

# Details

The Yxy color **42.1881, 0.3802, 0.4326** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **15.9533, 0.2310, 0.1986**, and the grayscale version is **40.0590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7220, 0.3688, 0.4143**, and **19.3419, 0.3949, 0.4619** is the 20% darker color. If you saturate the color by 10%, you get **41.5269, 0.3938, 0.4527**, and if you desaturate by 10%, it is **42.9333, 0.3654, 0.4104**.

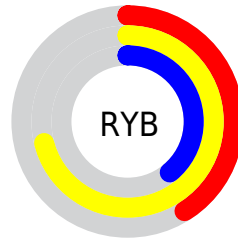
# Distribution



Red (71%)

Green (69%)

Blue (39%)



Red (41%)

Yellow (71%)

Blue (39%)

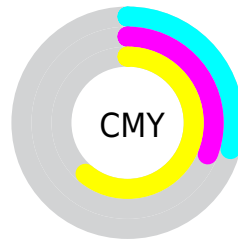


Cyan (0%)

Magenta (2%)

Yellow (45%)

Black (29%)



Cyan (29%)

Magenta (31%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1881, 0.3802, 0.4326 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 42.1881, 0.3802, 0.4326 by changing the saturation by 10% instead.





 42.1881, 0.3802,  
0.4326

 42.1881, 0.3802,  
0.4326


355.2621, 0.3476,  
0.3800

 29.2486, 0.3875,  
0.4455


 78.4842, 0.3689,  
0.4135


 19.2690, 0.3962,  
0.4617


 102.6097, 0.3645,  
0.4064

 11.8648, 0.4065,  
0.4824


 131.2325, 0.3606,  
0.4003

 6.6517, 0.4177,  
0.5089

 164.7372, 0.3573,  
0.3950

 3.2452, 0.4407,  
0.5593

203.5081, 0.3545,  
0.3905

 1.2611, 0.4229,  
0.5771

247.9296, 0.3519,

 0.1108, 0.0000,

0.3866

1.0000

298.3862, 0.3497,  
0.3831

0.0000, 0.0000,  
0.0000

42.1881, 0.3802,  
0.4326

42.1881, 0.3802,  
0.4326

41.5269, 0.3938,  
0.4527

42.9333, 0.3654,  
0.4104

40.9387, 0.4056,  
0.4697

43.7615, 0.3501,  
0.3869

40.4196, 0.4151,  
0.4830


44.6790, 0.3347,  
0.3632

39.9628, 0.4221,  
0.4919


45.6897, 0.3196,  
0.3398


39.5601, 0.4264,  
0.4967

46.7976, 0.3052,  
0.3173

 39.3599, 0.4281,  
0.4982

 48.0062, 0.2917,  
0.2960

 49.3189, 0.2793,  
0.2762

 50.7389, 0.2678,  
0.2580

 51.7478, 0.2619,  
0.2489

# Harmonies

## Analogous

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



42.1881, 0.4197, 0.4034



42.1881, 0.3802, 0.4326



42.1881, 0.3246, 0.4319

# Triad

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



42.1881, 0.3802, 0.4326



42.1881, 0.2081, 0.2802



42.1881, 0.3520, 0.2747

# Complementary

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



42.1881, 0.3802, 0.4326



15.9533, 0.2310, 0.1986

# 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.



42.1881, 0.2918, 0.2469



42.1881, 0.3802, 0.4326



42.1881, 0.2137, 0.2468

# Square

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



42.1881, 0.3802, 0.4326



42.1881, 0.2270, 0.3342



42.1881, 0.2426, 0.2365



42.1881, 0.4046, 0.3147



# Rectangle

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



42.1881, 0.3802, 0.4326



42.1881, 0.2864, 0.4102



42.1881, 0.2426, 0.2365



42.1881, 0.3317, 0.2638

# Sweetspot

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



42.1900, 0.3802, 0.4326



80.2931, 0.3324, 0.3596



19.9464, 0.4236, 0.3235



17.2725, 0.3357, 0.3648



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



42.1900, 0.3802, 0.4326



74.3651, 0.3940, 0.4530



39.9438, 0.3436, 0.4511



9.8336, 0.3264, 0.3504



27.1684, 0.4280, 0.4983



0.8765, 0.4254, 0.5004



# Inverse Universe

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



15.9533, 0.2310, 0.1986



21.2258, 0.2099, 0.1641



17.7321, 0.2666, 0.2043



8.2950, 0.2985, 0.3066



2.4633, 0.1511, 0.0638



0.0996, 0.1555, 0.0796



# Previews

## White Background



This preview shows how the Yxy color 42.1881, 0.3802, 0.4326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

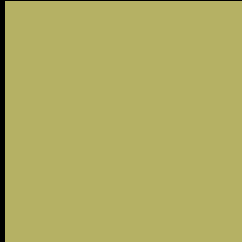
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.1881, 0.3802, 0.4326 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

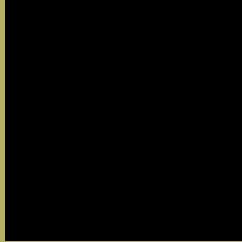
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.1881, 0.3802, 0.4326**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.1881, 0.3802, 0.4326.



This preview shows how white text looks on a background with the Yxy color 42.1881, 0.3802, 0.4326.

# 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

42.1881, 0.3802, 0.4326

### Protanopia

42.2493, 0.3925, 0.4266

### Deuteranopia

42.1006, 0.4140, 0.4058



## Tritanopia

42.2886, 0.3217, 0.3122

# Trichromacy



## Original Color

42.1881, 0.3802, 0.4326

## Protanomaly

42.1256, 0.3880, 0.4293

## Deuteranomaly

41.9881, 0.4014, 0.4152

## Tritanomaly

41.9576, 0.3441, 0.3546

# Monochromacy



## Original Color

42.1881, 0.3802, 0.4326

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

40.4029, 0.3376, 0.3685

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.1881, 0.3802, 0.4326 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(181, 177, 100)` looks like.

```
.text, #text, p{  
    color:rgb(181, 177, 100)  
}
```

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(181, 177, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 177, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 42.1881, 0.3802, 0.4326 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(181, 177, 100) }
```

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

```
.border{ border-color:rgb(181, 177, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 177, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 177, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 177, 100);  
box-shadow:4px 4px 4px 4px rgb(181, 177,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.1881, 0.3802, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 177, 100) }
```

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

```
.background{ background-color: rgb(181,  
177, 100) }
```

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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