

# Converting Colors

$Yxy(41.4643, 0.4074, 0.4551)$

Have a look what the booklet for  
Yxy(41.4643, 0.4074, 0.4551)  
contains.

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# Color

**Yxy(41.4579, 0.4074, 0.4551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCAE4A
RGB	188, 174, 74
RGB Percent	74%, 68%, 29%
CMY	0.2627, 0.3176, 0.7098
CMYK	0.00, 0.07, 0.61, 0.26
HSL	53°, 46%, 51%
HSV	53°, 61%, 74%
XYZ	37.1126, 41.4579, 12.5257
YIQ	166.7860, 40.4440, -28.1320

# Conversions

## Conversions Part 2

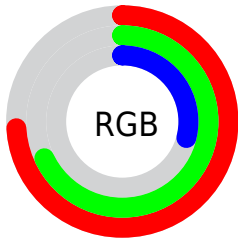
Format	Color
<a href="#">RYB</a>	<a href="#">90, 188, 74</a>
Decimal	<a href="#">12365386</a>
<a href="#">CIELab</a>	<a href="#">70.50, -7.37, 51.86</a>
<a href="#">CIElCh</a>	<a href="#">70, 52.382, 98.092</a>
<a href="#">Yxy</a>	<a href="#">41.4579, 0.4074, 0.4551</a>
Android (android.graphics.Color)	<a href="#">4290555466</a> ( <a href="#">0xFFBCAE4A</a> )
<a href="#">YUV</a>	<a href="#">166.7860, -45.7435, 18.6047</a>
<a href="#">Hunter-Lab</a>	<a href="#">64.3878, -9.7927, 33.5374</a>

# Details

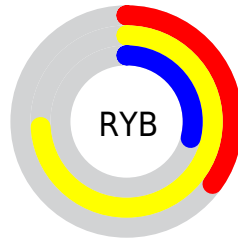
The Yxy color **41.4579, 0.4074, 0.4551** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.0689, 0.2011, 0.1576**, and the grayscale version is **38.7478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1378, 0.3924, 0.4337**, and **18.8716, 0.4271, 0.4858** is the 20% darker color. If you saturate the color by 10%, you get **40.3584, 0.4200, 0.4692**, and if you desaturate by 10%, it is **42.6524, 0.3929, 0.4376**.

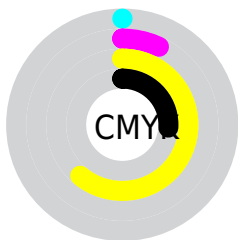
# Distribution



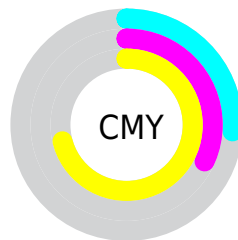
- Red (74%)
- Green (68%)
- Blue (29%)



- Red (35%)
- Yellow (74%)
- Blue (29%)



- Cyan (0%)
- Magenta (7%)
- Yellow (61%)
- Black (26%)



- Cyan (26%)
- Magenta (32%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4579, 0.4074, 0.4551 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 41.4579, 0.4074, 0.4551 by changing the saturation by 10% instead.




 41.4579, 0.4074,  
0.4551

 41.4579, 0.4074,  
0.4551


352.2308, 0.3628,  
0.3930

 28.6771, 0.4167,  
0.4692


 77.3785, 0.3923,  
0.4333

 18.8367, 0.4271,  
0.4859


 101.2871, 0.3863,  
0.4249

 11.5523, 0.4382,  
0.5056


 129.6737, 0.3810,  
0.4176

 6.4396, 0.4574,  
0.5385

 162.9227, 0.3764,  
0.4113

 3.1142, 0.4515,  
0.5485

 201.4185, 0.3724,  
0.4058

 1.1916, 0.4376,  
0.5624

245.5455, 0.3688,

 0.0549, 0.0000,

0.4010

1.0000

295.6881, 0.3656,  
0.3968

0.0000, 0.0000,  
0.0000

41.4579, 0.4074,  
0.4551

41.4579, 0.4074,  
0.4551

40.3584, 0.4200,  
0.4692

42.6524, 0.3929,  
0.4376

39.3409, 0.4303,  
0.4792

43.9422, 0.3771,  
0.4176

38.3991, 0.4378,  
0.4847

45.3348, 0.3608,  
0.3960

37.5703, 0.4427,  
0.4867

46.8354, 0.3445,  
0.3738

48.4486, 0.3287,  
0.3517

■ 50.1788, 0.3136,  
0.3303

■ 52.0302, 0.2996,  
0.3100

■ 54.0067, 0.2866,  
0.2909

■ 56.1120, 0.2747,  
0.2732

# Harmonies

## Analogous

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



41.4579, 0.4538, 0.4096



41.4579, 0.4074, 0.4551



41.4579, 0.3389, 0.4680

# Triad

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



41.4579, 0.4074, 0.4551



41.4579, 0.1842, 0.2755



41.4579, 0.3477, 0.2533

# Complementary

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



41.4579, 0.4074, 0.4551



12.0689, 0.2011, 0.1576

# 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.



41.4579, 0.2720, 0.2230



41.4579, 0.4074, 0.4551



41.4579, 0.1861, 0.2301

# Square

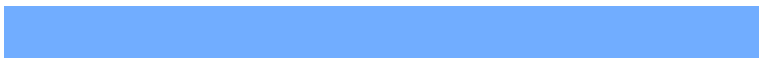
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.4579, 0.4074, 0.4551



41.4579, 0.2117, 0.3491



41.4579, 0.2157, 0.2140



41.4579, 0.4206, 0.2994



# Rectangle

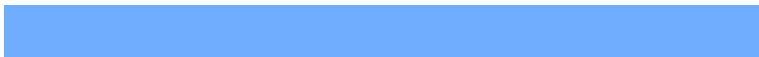
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.4579, 0.4074, 0.4551



41.4579, 0.2902, 0.4470



41.4579, 0.2157, 0.2140



41.4579, 0.3213, 0.2411

# Sweetspot

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



41.4598, 0.4074, 0.4551



85.5409, 0.3408, 0.3686



16.3157, 0.4749, 0.3099



18.2172, 0.3455, 0.3751



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



41.4598, 0.4074, 0.4551



72.4645, 0.4240, 0.4733



42.5939, 0.3586, 0.4909



10.9150, 0.3267, 0.3490



25.6514, 0.4424, 0.4869



1.0617, 0.4361, 0.4919



# Inverse Universe

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



12.0689, 0.2011, 0.1576



14.7295, 0.1778, 0.1180



12.2297, 0.2341, 0.1531



9.4092, 0.2984, 0.3082



2.9522, 0.1529, 0.0703



0.1784, 0.1617, 0.1020



# Previews

## White Background



This preview shows how the Yxy color 41.4579, 0.4074, 0.4551 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

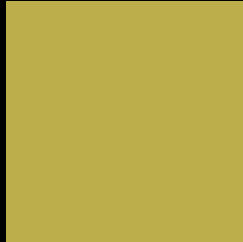
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.4579, 0.4074, 0.4551 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 41.4579, 0.4074, 0.4551**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.4579, 0.4074, 0.4551.



This preview shows how white text looks on a background with the Yxy color 41.4579, 0.4074, 0.4551.

# 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

41.4579, 0.4074, 0.4551

### Protanopia

41.5880, 0.4121, 0.4520

### Deuteranopia

41.3829, 0.4388, 0.4288



## Tritanopia

41.1993, 0.3334, 0.3124

# Trichromacy



## Original Color

41.4579, 0.4074, 0.4551

## Protanomaly

41.4579, 0.4111, 0.4525

## Deuteranomaly

41.5062, 0.4275, 0.4383

## Tritanomaly

40.9708, 0.3640, 0.3662

# Monochromacy



## Original Color

41.4579, 0.4074, 0.4551

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

39.5569, 0.3497, 0.3812

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4579, 0.4074, 0.4551 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(188, 174, 74)` looks like.

```
.text, #text, p{  
    color:rgb(188, 174, 74)  
}
```

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(188, 174, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 174, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4579, 0.4074, 0.4551 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(188, 174, 74) }
```

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

```
.border{ border-color:rgb(188, 174, 74) }
```

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

Here you see how a box with a 4 pixel rgb(188, 174, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 174, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 174, 74);  
box-shadow:4px 4px 4px 4px rgb(188, 174,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4579, 0.4074, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 174, 74) }
```

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

```
.background{ background-color: rgb(188,  
174, 74) }
```

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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