

# Converting Colors

$Y_{xy}(41.7821, 0.4123, 0.4466)$

Have a look what the booklet for  
Yxy(41.7821, 0.4123, 0.4466)  
contains.

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# Color

**Yxy(41.9065, 0.4114, 0.4471)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2AD4E
RGB	194, 173, 78
RGB Percent	76%, 68%, 31%
CMY	0.2393, 0.3215, 0.6941
CMYK	0.00, 0.11, 0.60, 0.24
HSL	49°, 49%, 53%
HSV	49°, 60%, 76%
XYZ	38.5604, 41.9065, 13.2627
YIQ	168.4490, 43.0110, -25.0930

# Conversions

## Conversions Part 2

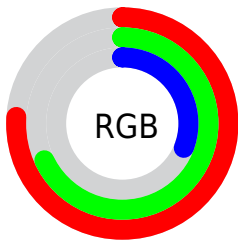
Format	Color
<a href="#">RYB</a>	<a href="#">104, 194, 78</a>
Decimal	<a href="#">12758350</a>
CIELab	<a href="#">70.81, -4.02, 50.52</a>
CIELCh	<a href="#">71, 50.685, 94.551</a>
Yxy	<a href="#">41.9065, 0.4114, 0.4471</a>
Android (android.graphics.Color)	<a href="#">4290948430</a> ( <a href="#">0xFFC2AD4E</a> )
YUV	<a href="#">168.4490, -44.5914, 22.4082</a>
Hunter-Lab	<a href="#">64.7352, -6.9609, 33.1675</a>

# Details

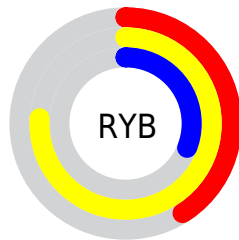
The Yxy color **41.9065, 0.4114, 0.4471** is a dark color, and the websafe version is hex **999933**. The color can be described as middle muted orange. A complement of this color would be **14.4263, 0.2048, 0.1704**, and the grayscale version is **39.5972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9812, 0.3958, 0.4270**, and **19.1482, 0.4337, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **40.3437, 0.4261, 0.4608**, and if you desaturate by 10%, it is **43.5906, 0.3951, 0.4301**.

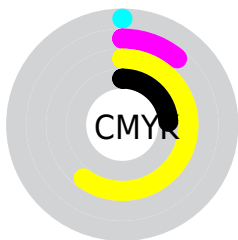
# Distribution



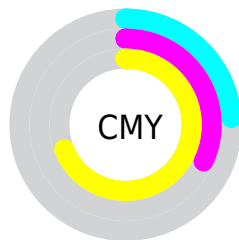
- Red (76%)
- Green (68%)
- Blue (31%)



- Red (41%)
- Yellow (76%)
- Blue (31%)



- Cyan (0%)
- Magenta (11%)
- Yellow (60%)
- Black (24%)




- Cyan (24%)
- Magenta (32%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9065, 0.4114, 0.4471 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 41.9065, 0.4114, 0.4471 by changing the saturation by 10% instead.





 41.9065, 0.4114,  
0.4471


 41.9065, 0.4114,  
0.4471

354.0952, 0.3643,  
0.3895


 29.0281, 0.4215,  
0.4600


 78.0581, 0.3953,  
0.4270


 19.1021, 0.4331,  
0.4753


 102.1001, 0.3889,  
0.4192


 11.7441, 0.4460,  
0.4931


 130.6320, 0.3834,  
0.4124

 6.5696, 0.4655,  
0.5202

 164.0383, 0.3786,  
0.4066

 3.1945, 0.4681,  
0.5319

 202.7034, 0.3744,  
0.4015

 1.2341, 0.4608,  
0.5392

247.0117, 0.3706,

 0.0893, 0.0000,

0.3970

1.0000

297.3475, 0.3673,  
0.3930

0.0000, 0.0000,  
0.0000

41.9065, 0.4114,  
0.4471

41.9065, 0.4114,  
0.4471

40.3437, 0.4261,  
0.4608

43.5906, 0.3951,  
0.4301

38.8884, 0.4385,  
0.4704

45.3968, 0.3780,  
0.4109

37.5336, 0.4481,  
0.4755

47.3332, 0.3607,  
0.3903

36.2624, 0.4553,  
0.4766

49.4056, 0.3437,  
0.3693

36.2361, 0.4554,  
0.4766

51.6190, 0.3276,  
0.3486

■ 53.9785, 0.3124,  
0.3286

■ 56.4885, 0.2984,  
0.3097

■ 59.1536, 0.2856,  
0.2920

■ 61.9779, 0.2740,  
0.2756

# Harmonies

## Analogous

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



41.9065, 0.4522, 0.4015



41.9065, 0.4114, 0.4471



41.9065, 0.3468, 0.4638

# Triad

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



41.9065, 0.4114, 0.4471



41.9065, 0.1898, 0.2848



41.9065, 0.3376, 0.2512

# Complementary

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



41.9065, 0.4114, 0.4471



14.4263, 0.2048, 0.1704

# 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.



41.9065, 0.2658, 0.2240



41.9065, 0.4114, 0.4471



41.9065, 0.1882, 0.2371

# Square

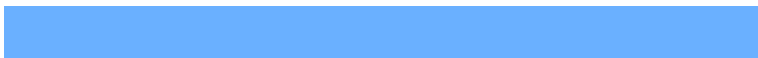
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.9065, 0.4114, 0.4471



41.9065, 0.2201, 0.3579



41.9065, 0.2140, 0.2180



41.9065, 0.4096, 0.2947



# Rectangle

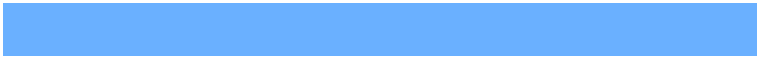
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.9065, 0.4114, 0.4471



41.9065, 0.2995, 0.4476



41.9065, 0.2140, 0.2180



41.9065, 0.3123, 0.2401

# Sweetspot

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



41.9085, 0.4114, 0.4471



90.1316, 0.3413, 0.3662



17.8188, 0.4621, 0.3024



19.4856, 0.3462, 0.3724



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.



41.9085, 0.4114, 0.4471



72.2149, 0.4305, 0.4645



46.3112, 0.3634, 0.4862



11.4388, 0.3269, 0.3477



23.9428, 0.4548, 0.4770



1.1171, 0.4456, 0.4844



# Inverse Universe

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



14.4263, 0.2048, 0.1704



18.1891, 0.1821, 0.1318



12.9675, 0.2294, 0.1526



10.0357, 0.2983, 0.3096



3.4406, 0.1550, 0.0779

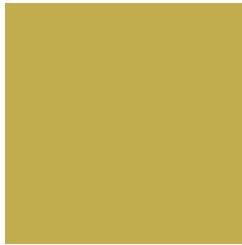


0.2406, 0.1658, 0.1168



# Previews

## White Background



This preview shows how the Yxy color 41.9065, 0.4114, 0.4471 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

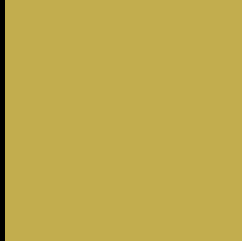
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.9065, 0.4114, 0.4471 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

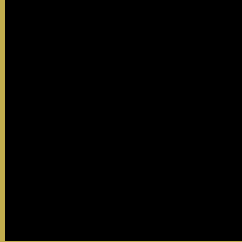
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.9065, 0.4114, 0.4471**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.9065, 0.4114, 0.4471.



This preview shows how white text looks on a background with the Yxy color 41.9065, 0.4114, 0.4471.

# 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

41.9065, 0.4114, 0.4471

### Protanopia

42.0286, 0.4087, 0.4491

### Deuteranopia

41.7856, 0.4358, 0.4271



## Tritanopia

41.9860, 0.3400, 0.3140

# Trichromacy



## Original Color

41.9065, 0.4114, 0.4471

## Protanomaly

42.1596, 0.4097, 0.4486

## Deuteranomaly

41.8352, 0.4273, 0.4345

## Tritanomaly

41.8102, 0.3690, 0.3641

# Monochromacy



## Original Color

41.9065, 0.4114, 0.4471

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

39.8458, 0.3499, 0.3781

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9065, 0.4114, 0.4471 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(194, 173, 78)` looks like.

```
.text, #text, p{  
    color:rgb(194, 173, 78)  
}
```

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(194, 173, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 173, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9065, 0.4114, 0.4471 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(194, 173, 78) }
```

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

```
.border{ border-color:rgb(194, 173, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 173, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 173, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 173, 78);  
box-shadow:4px 4px 4px 4px rgb(194, 173,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9065, 0.4114, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 173, 78) }
```

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

```
.background{ background-color: rgb(194,  
173, 78) }
```

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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