

# Converting Colors

$Y_{xy}(42.5311, 0.3979, 0.3706)$

Have a look what the booklet for  
Yxy(42.5311, 0.3979, 0.3706)  
contains.

<b>Yxy(42.5311, 0.3979, 0.3706)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(42.5311, 0.3979, 0.3706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9A381
RGB	217, 163, 129
RGB Percent	85%, 64%, 51%
CMY	0.1492, 0.3607, 0.4942
CMYK	0.00, 0.25, 0.41, 0.15
HSL	23°, 54%, 68%
HSV	23°, 41%, 85%
XYZ	45.6641, 42.5311, 26.5676
YIQ	175.2700, 43.0980, 0.8740

# Conversions

## Conversions Part 2

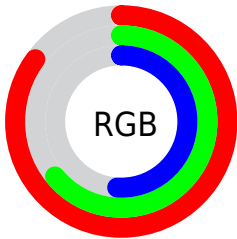
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">217, 184, 129</a>
Decimal	<a href="#">14263169</a>
<a href="#">CIELab</a>	<a href="#">71.24, 15.59, 25.43</a>
<a href="#">CIELCh</a>	<a href="#">71, 29.828, 58.489</a>
<a href="#">Yxy</a>	<a href="#">42.5311, 0.3979, 0.3706</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4292453249 (0xFFD9A381)</a>
<a href="#">YUV</a>	<a href="#">175.2700, -22.8111, 36.5972</a>
<a href="#">Hunter-Lab</a>	<a href="#">65.2159, 10.8578, 21.4976</a>

# Details

The Yxy color **42.5311, 0.3979, 0.3706** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.5067, 0.2500, 0.2826**, and the grayscale version is **43.1202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7802, 0.3659, 0.3661**, and **19.4070, 0.4234, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **37.5377, 0.4269, 0.3804**, and if you desaturate by 10%, it is **48.1479, 0.3721, 0.3601**.

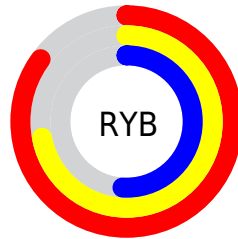
# Distribution



Red (85%)

Green (64%)

Blue (51%)



Red (85%)

Yellow (72%)

Blue (51%)

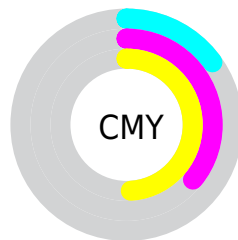


Cyan (0%)

Magenta (25%)

Yellow (41%)

Black (15%)



Cyan (15%)

Magenta (36%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5311, 0.3979, 0.3706 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 42.5311, 0.3979, 0.3706 by changing the saturation by 10% instead.





 42.5311, 0.3979,  
0.3706

 42.5311, 0.3979,  
0.3706


356.6799, 0.3545,  
0.3510


 29.5174, 0.4088,  
0.3750


 79.0028, 0.3820,  
0.3638

 19.4726, 0.4229,  
0.3802


 103.2296, 0.3761,  
0.3612

 12.0122, 0.4414,  
0.3865


 131.9628, 0.3711,  
0.3589

 6.7520, 0.4669,  
0.3937

165.5869, 0.3668,  
0.3569

 3.3075, 0.5038,  
0.4013

204.4863, 0.3631,  
0.3552

 1.2943, 0.5801,  
0.4199

249.0453, 0.3598,

 0.1368, 0.7887,

0.3536

0.2113

299.6483, 0.3570,  
0.3523

0.0000, 0.0000,  
0.0000

42.5311, 0.3979,  
0.3706

42.5311, 0.3979,  
0.3706

37.5377, 0.4269,  
0.3804

48.1479, 0.3721,  
0.3601

33.1384, 0.4586,  
0.3884

54.4037, 0.3496,  
0.3495

29.3105, 0.4916,  
0.3934

61.3212, 0.3302,  
0.3392

26.0272, 0.5238,  
0.3942

68.9199, 0.3135,  
0.3295

23.2585, 0.5525,  
0.3899

77.2186, 0.2994,  
0.3205

■ 21.0770, 0.5751,  
0.3816

■ 85.9644, 0.2895,  
0.3164

■ 93.4846, 0.2900,  
0.3289

# Harmonies

## Analogous

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



42.5311, 0.3915, 0.3365



42.5311, 0.3979, 0.3706



42.5311, 0.3799, 0.3972

# Triad

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



42.5311, 0.3979, 0.3706



42.5311, 0.2636, 0.3554



42.5311, 0.2777, 0.2614

# Complementary

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



42.5311, 0.3979, 0.3706



43.5067, 0.2500, 0.2826

# 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.



42.5311, 0.2474, 0.2619



42.5311, 0.3979, 0.3706



42.5311, 0.2396, 0.3132

# Square

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



42.5311, 0.3979, 0.3706



42.5311, 0.3016, 0.3915



42.5311, 0.2340, 0.2796



42.5311, 0.3195, 0.2762



# Rectangle

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



42.5311, 0.3979, 0.3706



42.5311, 0.3575, 0.4060



42.5311, 0.2340, 0.2796



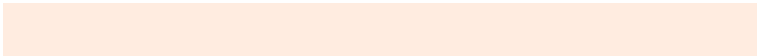
42.5311, 0.2660, 0.2597

# Sweetspot

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



42.5331, 0.3979, 0.3706



86.7929, 0.3330, 0.3408



33.8713, 0.3518, 0.2646



18.2882, 0.3354, 0.3421



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.



42.5331, 0.3979, 0.3706



54.8723, 0.4236, 0.3794



60.8055, 0.3774, 0.4187



13.8736, 0.3282, 0.3381



12.9555, 0.5725, 0.3836



1.0034, 0.5422, 0.4077



# Inverse Universe

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



43.5067, 0.2500, 0.2826



56.4272, 0.2370, 0.2702



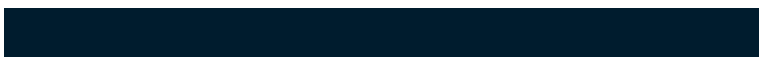
28.2123, 0.2400, 0.2196



13.9394, 0.2982, 0.3197



13.4038, 0.1882, 0.1976



1.0336, 0.1948, 0.2214



# Previews

## White Background



This preview shows how the Yxy color 42.5311, 0.3979, 0.3706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

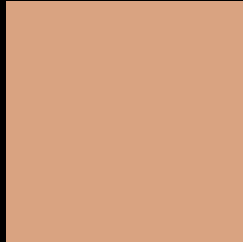
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.5311, 0.3979, 0.3706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

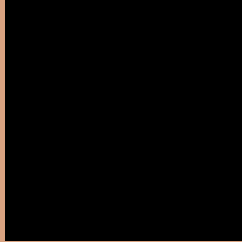
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.5311, 0.3979, 0.3706**

## Background



This preview shows how black text looks on a background with the Yxy color 42.5311, 0.3979, 0.3706.

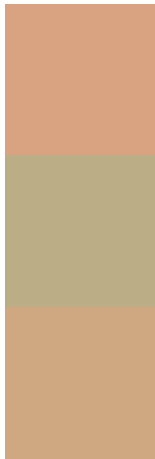


This preview shows how white text looks on a background with the Yxy color 42.5311, 0.3979, 0.3706.

# 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

42.5311, 0.3979, 0.3706

### Protanopia

42.5581, 0.3593, 0.3829

### Deuteranopia

42.4613, 0.3871, 0.3783



## Tritanopia

42.3884, 0.3636, 0.3137

# Trichromacy



**Original Color**

42.5311, 0.3979, 0.3706

**Protanomaly**

42.4212, 0.3733, 0.3785

**Deuteranomaly**

42.6798, 0.3915, 0.3764

**Tritanomaly**

42.3785, 0.3770, 0.3340

# Monochromacy



**Original Color**

42.5311, 0.3979, 0.3706

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

42.5416, 0.3416, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.5311, 0.3979, 0.3706 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(217, 163, 129)` looks like.

```
.text, #text, p{  
    color:rgb(217, 163, 129)  
}
```

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(217, 163, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 163, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 42.5311, 0.3979, 0.3706 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(217, 163, 129) }
```

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

```
.border{ border-color:rgb(217, 163, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 163, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 163, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 163, 129);  
box-shadow:4px 4px 4px 4px rgb(217, 163,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.5311, 0.3979, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 163, 129) }
```

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

```
.background{ background-color: rgb(217,  
163, 129) }
```

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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