

# Converting Colors

$Yxy(41.9762, 0.4011, 0.3724)$

Have a look what the booklet for  
Yxy(41.9762, 0.4011, 0.3724)  
contains.

<b>Yxy(42.0987, 0.4013, 0.3730)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(42.0987, 0.4013, 0.3730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9A27E
RGB	217, 162, 126
RGB Percent	85%, 64%, 49%
CMY	0.1492, 0.3646, 0.5059
CMYK	0.00, 0.25, 0.42, 0.15
HSL	24°, 54%, 67%
HSV	24°, 42%, 85%
XYZ	45.2928, 42.0987, 25.4737
YIQ	174.3410, 44.3360, 0.4640

# Conversions

## Conversions Part 2

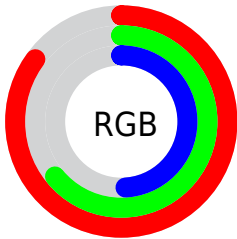
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 186, 126
Decimal	14262910
CIE Lab	70.94, 15.80, 26.66
CIE LCh	71, 30.991, 59.338
Yxy	42.0987, 0.4013, 0.3730
Android (android.graphics.Color)	4292452990 (0xFFD9A27E)
YUV	174.3410, -23.8321, 37.4119
Hunter-Lab	64.8835, 11.0581, 22.1408

# Details

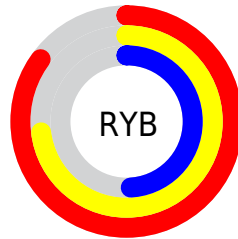
The Yxy color **42.0987, 0.4013, 0.3730** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.4625, 0.2477, 0.2795**, and the grayscale version is **42.6197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1404, 0.3684, 0.3682**, and **19.1613, 0.4268, 0.3820** is the 20% darker color. If you saturate the color by 10%, you get **37.2209, 0.4305, 0.3828**, and if you desaturate by 10%, it is **47.5830, 0.3752, 0.3623**.

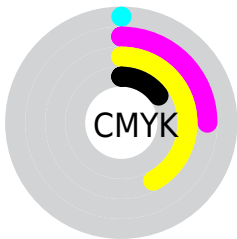
# Distribution



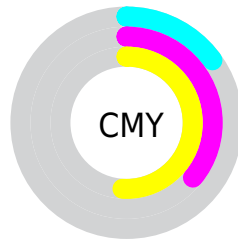
- Red (85%)
- Green (64%)
- Blue (49%)



- Red (85%)
- Yellow (73%)
- Blue (49%)



- Cyan (0%)
- Magenta (25%)
- Yellow (42%)
- Black (15%)




- Cyan (15%)
- Magenta (36%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0987, 0.4013, 0.3730 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 42.0987, 0.4013, 0.3730 by changing the saturation by 10% instead.





 42.0987, 0.4013,  
0.3730

 42.0987, 0.4013,  
0.3730


354.8919, 0.3561,  
0.3523

 29.1786, 0.4127,  
0.3776


 78.3490, 0.3848,  
0.3659

 19.2160, 0.4273,  
0.3831


 102.4479, 0.3786,  
0.3631

 11.8264, 0.4465,  
0.3896


 131.0420, 0.3734,  
0.3607

 6.6256, 0.4728,  
0.3969

164.5154, 0.3689,  
0.3586

 3.2291, 0.5118,  
0.4054

203.2528, 0.3651,  
0.3567

 1.2525, 0.5823,  
0.4177

247.6384, 0.3617,

 0.1039, 0.8234,

0.3551

0.1766

298.0566, 0.3587,  
0.3536

0.0000, 0.0000,  
0.0000

42.0987, 0.4013,  
0.3730

42.0987, 0.4013,  
0.3730

37.2209, 0.4305,  
0.3828

47.5830, 0.3752,  
0.3623

32.9211, 0.4620,  
0.3907

53.6891, 0.3524,  
0.3514

29.1769, 0.4946,  
0.3955


60.4391, 0.3326,  
0.3409


25.9619, 0.5260,  
0.3958

67.8520, 0.3157,  
0.3309


23.2468, 0.5537,  
0.3908

75.9462, 0.3012,  
0.3215

 21.3910, 0.5725,  
0.3836

 84.6638, 0.2894,  
0.3141

 92.6867, 0.2899,  
0.3277

 93.4860, 0.2900,  
0.3289

# Harmonies

## Analogous

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



42.0987, 0.3955, 0.3377



42.0987, 0.4013, 0.3730



42.0987, 0.3818, 0.4005

# Triad

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



42.0987, 0.4013, 0.3730



42.0987, 0.2606, 0.3553



42.0987, 0.2773, 0.2590

# Complementary

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



42.0987, 0.4013, 0.3730



42.4625, 0.2477, 0.2795

# 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.



42.0987, 0.2455, 0.2590



42.0987, 0.4013, 0.3730



42.0987, 0.2363, 0.3112

# Square

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



42.0987, 0.4013, 0.3730



42.0987, 0.2997, 0.3935



42.0987, 0.2311, 0.2767



42.0987, 0.3210, 0.2748



# Rectangle

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



42.0987, 0.4013, 0.3730



42.0987, 0.3581, 0.4094



42.0987, 0.2311, 0.2767



42.0987, 0.2650, 0.2571

# Sweetspot

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



42.1007, 0.4013, 0.3730



85.9310, 0.3348, 0.3421



33.0465, 0.3536, 0.2625



17.9167, 0.3390, 0.3444



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.



42.1007, 0.4013, 0.3730



54.6459, 0.4260, 0.3815



60.5633, 0.3796, 0.4216



13.8935, 0.3282, 0.3383



13.1468, 0.5700, 0.3856



1.0170, 0.5400, 0.4094



# Inverse Universe

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



42.4625, 0.2477, 0.2795



55.1946, 0.2353, 0.2673



27.2217, 0.2372, 0.2151



13.9189, 0.2982, 0.3195



13.0790, 0.1873, 0.1944



1.0138, 0.1941, 0.2187



# Previews

## White Background



This preview shows how the Yxy color 42.0987, 0.4013, 0.3730 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 42.0987, 0.4013, 0.3730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

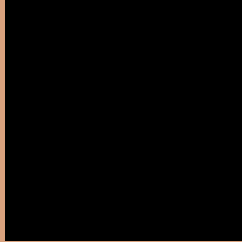
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.0987, 0.4013, 0.3730**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0987, 0.4013, 0.3730.



This preview shows how white text looks on a background with the Yxy color 42.0987, 0.4013, 0.3730.

# 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

42.0987, 0.4013, 0.3730

### Protanopia

42.3499, 0.3609, 0.3871

### Deuteranopia

42.2399, 0.3889, 0.3822



## Tritanopia

41.9762, 0.3658, 0.3148

# Trichromacy



**Original Color**

42.0987, 0.4013, 0.3730

**Protanomaly**

42.2047, 0.3750, 0.3826

**Deuteranomaly**

42.0926, 0.3938, 0.3790

**Tritanomaly**

41.9693, 0.3793, 0.3352

# Monochromacy



**Original Color**

42.0987, 0.4013, 0.3730

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

42.1309, 0.3427, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0987, 0.4013, 0.3730 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, 162, 126)` looks like.

```
.text, #text, p{  
    color:rgb(217, 162, 126)  
}
```

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, 162, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 162, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0987, 0.4013, 0.3730 is called "border". The border property can be set on classes, ids or directly on the HTML element.

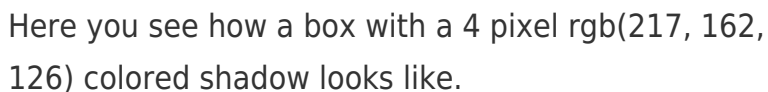
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 162, 126) }
```

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

```
.border{ border-color:rgb(217, 162, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 162, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 162, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 162, 126); box-shadow:4px 4px 4px 4px rgb(217, 162, 126) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0987, 0.4013, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 162, 126) }
```

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

```
.background{ background-color: rgb(217,  
162, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor