

# Converting Colors

$Yxy(41.6057, 0.3849, 0.3650)$

Have a look what the booklet for  
Yxy(41.6057, 0.3849, 0.3650)  
contains.

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# Color

**Yxy(41.4990, 0.3843, 0.3644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1A387
RGB	209, 163, 135
RGB Percent	82%, 64%, 53%
CMY	0.1804, 0.3608, 0.4706
CMYK	0.00, 0.22, 0.35, 0.18
HSL	23°, 45%, 67%
HSV	23°, 35%, 82%
XYZ	43.7653, 41.4990, 28.6188
YIQ	173.5620, 36.4040, 1.0440

# Conversions

## Conversions Part 2

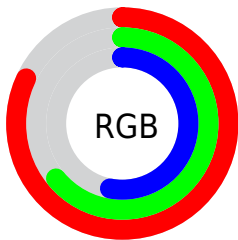
Format	Color
RYB	209, 180, 135
Decimal	13738887
CIELab	70.52, 13.15, 21.07
CIELCh	71, 24.835, 58.023
Yxy	41.4990, 0.3843, 0.3644
Android (android.graphics.Color)	4291928967 (0xFFD1A387)
YUV	173.5620, -19.0111, 31.0791
Hunter-Lab	64.4197, 8.5343, 18.7539

# Details

The Yxy color **41.4990, 0.3843, 0.3644** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.7957, 0.2579, 0.2903**, and the grayscale version is **42.1771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0336, 0.3616, 0.3599**, and **18.7971, 0.4060, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **36.5906, 0.4118, 0.3744**, and if you desaturate by 10%, it is **47.0007, 0.3601, 0.3540**.

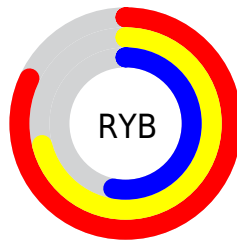
# Distribution



Red (82%)

Green (64%)

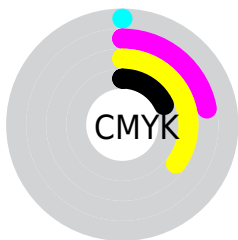
Blue (53%)



Red (82%)

Yellow (71%)

Blue (53%)

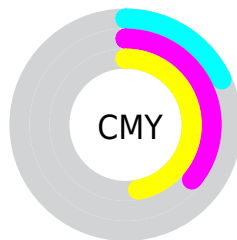


Cyan (0%)

Magenta (22%)

Yellow (35%)

Black (18%)



Cyan (18%)

Magenta (36%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4990, 0.3843, 0.3644 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 41.4990, 0.3843, 0.3644 by changing the saturation by 10% instead.





 41.4990, 0.3843,  
0.3644


 41.4990, 0.3843,  
0.3644


352.4019, 0.3476,  
0.3474


 28.7092, 0.3937,  
0.3683


 77.4408, 0.3708,  
0.3584

 18.8609, 0.4058,  
0.3732


 101.3616, 0.3658,  
0.3561

 11.5698, 0.4220,  
0.3792


 129.7616, 0.3615,  
0.3541

 6.4515, 0.4446,  
0.3866

163.0250, 0.3579,  
0.3524

 3.1215, 0.4779,  
0.3953

201.5364, 0.3548,  
0.3509

 1.1955, 0.5685,  
0.4315

245.6800, 0.3521,

 0.0580, 0.8664,

0.3496

0.1336

295.8404, 0.3497,  
0.3484

0.0000, 0.0000,  
0.0000

41.4990, 0.3843,  
0.3644

41.4990, 0.3843,  
0.3644

36.5906, 0.4118,  
0.3744

47.0007, 0.3601,  
0.3540

32.2485, 0.4425,  
0.3833

53.1096, 0.3392,  
0.3438

28.4524, 0.4753,  
0.3899

59.8466, 0.3213,  
0.3340


25.1780, 0.5085,  
0.3929


67.2297, 0.3060,  
0.3249


22.3988, 0.5398,  
0.3912

75.2762, 0.2929,  
0.3165

 20.0852, 0.5662,  
0.3842

 83.6505, 0.2847,  
0.3142

 19.1649, 0.5770,  
0.3800

 91.6140, 0.2854,  
0.3278

 92.2963, 0.2855,  
0.3289

# Harmonies

## Analogous

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



41.4990, 0.3784, 0.3355



41.4990, 0.3843, 0.3644



41.4990, 0.3698, 0.3864

# Triad

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



41.4990, 0.3843, 0.3644



41.4990, 0.2719, 0.3517



41.4990, 0.2829, 0.2713

# Complementary

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



41.4990, 0.3843, 0.3644



42.7957, 0.2579, 0.2903

# 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.



41.4990, 0.2571, 0.2724



41.4990, 0.3843, 0.3644



41.4990, 0.2510, 0.3167

# Square

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



41.4990, 0.3843, 0.3644



41.4990, 0.3043, 0.3811



41.4990, 0.2458, 0.2880



41.4990, 0.3181, 0.2838



# Rectangle

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



41.4990, 0.3843, 0.3644



41.4990, 0.3512, 0.3934



41.4990, 0.2458, 0.2880



41.4990, 0.2729, 0.2701

# Sweetspot

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



41.5010, 0.3843, 0.3644



87.7010, 0.3312, 0.3395



34.2517, 0.3439, 0.2715



18.4656, 0.3337, 0.3409



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.



41.5010, 0.3843, 0.3644



59.5500, 0.4034, 0.3716



56.2150, 0.3694, 0.4061



12.5311, 0.3281, 0.3379



11.9916, 0.5745, 0.3821



0.8216, 0.5400, 0.4094

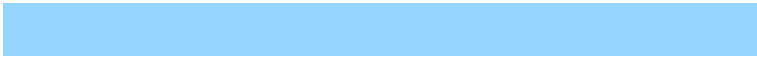


# Inverse Universe

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



42.7957, 0.2579, 0.2903



61.8325, 0.2474, 0.2812



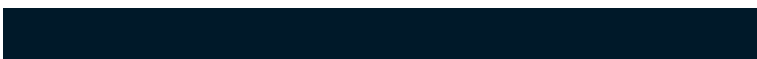
29.9596, 0.2508, 0.2378



12.6238, 0.2983, 0.3200



12.8588, 0.1892, 0.2009



0.8693, 0.1964, 0.2270



# Previews

## White Background



This preview shows how the Yxy color 41.4990, 0.3843, 0.3644 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 41.4990, 0.3843, 0.3644 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

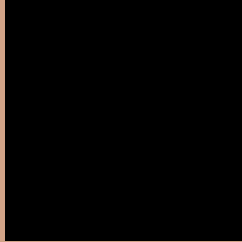
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.4990, 0.3843, 0.3644**

## Background



This preview shows how black text looks on a background with the Yxy color 41.4990, 0.3843, 0.3644.



This preview shows how white text looks on a background with the Yxy color 41.4990, 0.3843, 0.3644.

# 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

41.4990, 0.3843, 0.3644

### Protanopia

41.4364, 0.3516, 0.3741

### Deuteranopia

41.5502, 0.3770, 0.3704



## Tritanopia

41.5021, 0.3555, 0.3144

# Trichromacy



**Original Color**

41.4990, 0.3843, 0.3644

**Protanomaly**

41.4174, 0.3623, 0.3703

**Deuteranomaly**

41.6106, 0.3804, 0.3687

**Tritanomaly**

41.5730, 0.3668, 0.3329

# Monochromacy



**Original Color**

41.4990, 0.3843, 0.3644

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

41.8523, 0.3372, 0.3424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4990, 0.3843, 0.3644 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(209, 163, 135)` looks like.

```
.text, #text, p{  
    color:rgb(209, 163, 135)  
}
```

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(209, 163, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 163, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4990, 0.3843, 0.3644 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(209, 163, 135) }
```

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

```
.border{ border-color:rgb(209, 163, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 163, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 163, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 163, 135);  
box-shadow:4px 4px 4px 4px rgb(209, 163,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4990, 0.3843, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 163, 135) }
```

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

```
.background{ background-color: rgb(209,  
163, 135) }
```

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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