

# Converting Colors

Yxy(39.7066, 0.4142, 0.3671)

Have a look what the booklet for  
Yxy(39.7066, 0.4142, 0.3671)  
contains.

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# Color

**Yxy(39.5598, 0.4142, 0.3664)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD997A
RGB	221, 153, 122
RGB Percent	87%, 60%, 48%
CMY	0.1334, 0.4000, 0.5216
CMYK	0.00, 0.31, 0.45, 0.13
HSL	19°, 59%, 67%
HSV	19°, 45%, 87%
XYZ	44.7207, 39.5598, 23.6884
YIQ	169.7980, 50.4790, 4.7750

# Conversions

## Conversions Part 2

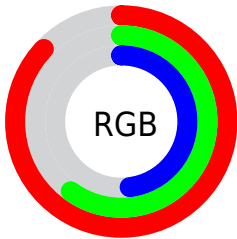
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 167, 122
Decimal	14522746
CIE Lab	69.15, 21.84, 26.53
CIE LCh	69, 34.366, 50.535
Yxy	39.5598, 0.4142, 0.3664
Android (android.graphics.Color)	4292712826 (0xFFDD997A)
YUV	169.7980, -23.5644, 44.9042
Hunter-Lab	62.8966, 16.8480, 21.6976

# Details

The Yxy color **39.5598, 0.4142, 0.3664** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.1730, 0.2454, 0.2870**, and the grayscale version is **40.1941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4669, 0.3741, 0.3633**, and **17.7703, 0.4438, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **34.4186, 0.4471, 0.3737**, and if you desaturate by 10%, it is **45.4612, 0.3851, 0.3580**.

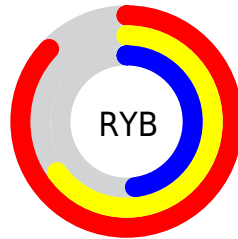
# Distribution



Red (87%)

Green (60%)

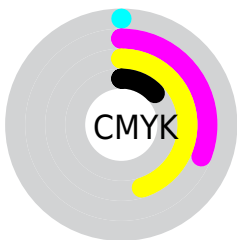
Blue (48%)



Red (87%)

Yellow (65%)

Blue (48%)

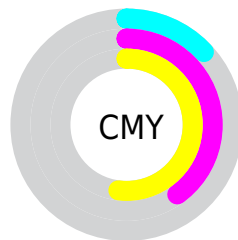


Cyan (0%)

Magenta (31%)

Yellow (45%)

Black (13%)



Cyan (13%)

Magenta (40%)


Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5598, 0.4142, 0.3664 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 39.5598, 0.4142, 0.3664 by changing the saturation by 10% instead.





 39.5598, 0.4142,  
0.3664


 39.5598, 0.4142,  
0.3664

344.2647, 0.3618,  
0.3494

 27.1955, 0.4276,  
0.3699


 74.4927, 0.3949,  
0.3608

 17.7201, 0.4448,  
0.3738


 97.8301, 0.3877,  
0.3585

 10.7492, 0.4677,  
0.3780


 125.5940, 0.3817,  
0.3565

 5.8985, 0.4992,  
0.3817

158.1688, 0.3765,  
0.3547

 2.7834, 0.5503,  
0.3866

195.9389, 0.3721,  
0.3532

 1.0197, 0.6224,  
0.3776

239.2886, 0.3682,

 0.0000, 1.0000,

0.3518

0.0000

288.6024, 0.3648,  
0.3506

0.0000, 0.0000,  
0.0000

39.5598, 0.4142,  
0.3664

39.5598, 0.4142,  
0.3664

34.4186, 0.4471,  
0.3737

45.4612, 0.3851,  
0.3580

29.9997, 0.4828,  
0.3789

52.1472, 0.3599,  
0.3493

26.2702, 0.5194,  
0.3808

59.6480, 0.3385,  
0.3408


23.1921, 0.5537,  
0.3782


67.9907, 0.3204,  
0.3327

20.7228, 0.5823,  
0.3708

77.2009, 0.3051,  
0.3251

 19.6566, 0.5949,  
0.3659

 87.3031, 0.2922,  
0.3182

 94.1109, 0.2923,  
0.3289

# Harmonies

## Analogous

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



39.5598, 0.3990, 0.3263



39.5598, 0.4142, 0.3664



39.5598, 0.3996, 0.4015

# Triad

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



39.5598, 0.4142, 0.3664



39.5598, 0.2653, 0.3733



39.5598, 0.2605, 0.2487

# Complementary

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



39.5598, 0.4142, 0.3664



46.1730, 0.2454, 0.2870

# 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.



39.5598, 0.2304, 0.2540



39.5598, 0.4142, 0.3664



39.5598, 0.2327, 0.3224

# Square

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



39.5598, 0.4142, 0.3664



39.5598, 0.3122, 0.4114



39.5598, 0.2207, 0.2791



39.5598, 0.3066, 0.2616



# Rectangle

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



39.5598, 0.4142, 0.3664



39.5598, 0.3761, 0.4168



39.5598, 0.2207, 0.2791



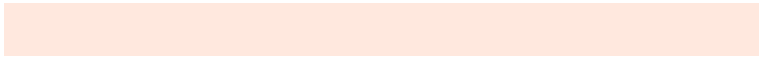
39.5598, 0.2484, 0.2483

# Sweetspot

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



39.5617, 0.4142, 0.3664



84.3722, 0.3352, 0.3394



33.0627, 0.3483, 0.2492



17.5344, 0.3395, 0.3412



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.



39.5617, 0.4142, 0.3664



47.8469, 0.4458, 0.3735



58.6388, 0.3882, 0.4195



13.7139, 0.3284, 0.3364



11.5989, 0.5921, 0.3681



0.9029, 0.5599, 0.3936



# Inverse Universe

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



46.1730, 0.2454, 0.2870



58.0383, 0.2328, 0.2761



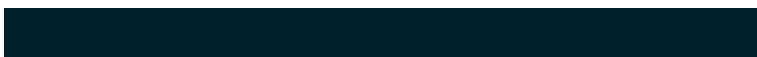
28.6415, 0.2333, 0.2175



14.1055, 0.2982, 0.3215



16.2434, 0.1955, 0.2239



1.2038, 0.2009, 0.2430



# Previews

## White Background



This preview shows how the Yxy color 39.5598, 0.4142, 0.3664 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

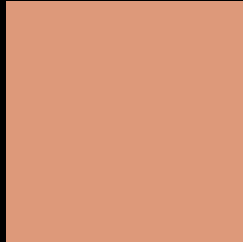
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.5598, 0.4142, 0.3664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

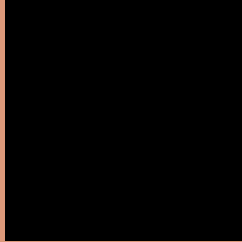
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.5598, 0.4142, 0.3664**

## Background



This preview shows how black text looks on a background with the Yxy color 39.5598, 0.4142, 0.3664.



This preview shows how white text looks on a background with the Yxy color 39.5598, 0.4142, 0.3664.

# 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

39.5598, 0.4142, 0.3664

### Protanopia

39.7847, 0.3596, 0.3845

### Deuteranopia

39.6142, 0.3911, 0.3835



## Tritanopia

39.5303, 0.3806, 0.3161

# Trichromacy



**Original Color**

39.5598, 0.4142, 0.3664

**Protanomaly**

39.4365, 0.3798, 0.3780

**Deuteranomaly**

39.5866, 0.3988, 0.3771

**Tritanomaly**

39.5760, 0.3927, 0.3340

# Monochromacy



**Original Color**

39.5598, 0.4142, 0.3664

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

39.6696, 0.3468, 0.3439

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5598, 0.4142, 0.3664 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(221, 153, 122)` looks like.

```
.text, #text, p{  
    color:rgb(221, 153, 122)  
}
```

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(221, 153, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 153, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5598, 0.4142, 0.3664 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(221, 153, 122) }
```

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

```
.border{ border-color:rgb(221, 153, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 153, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 153, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 153, 122); box-shadow:4px 4px 4px 4px rgb(221, 153, 122) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5598, 0.4142, 0.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 153, 122) }
```

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

```
.background{ background-color: rgb(221,  
153, 122) }
```

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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