

# Converting Colors

$Yxy(47.6151, 0.4088, 0.4028)$

Have a look what the booklet for  
Yxy(47.6151, 0.4088, 0.4028)  
contains.

<b>Yxy(47.6151, 0.4088, 0.4028)</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(47.6151, 0.4088, 0.4028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDB071
RGB	221, 176, 113
RGB Percent	87%, 69%, 44%
CMY	0.1334, 0.3098, 0.5568
CMYK	0.00, 0.20, 0.49, 0.13
HSL	35°, 61%, 65%
HSV	35°, 49%, 87%
XYZ	48.3244, 47.6151, 22.2708
YIQ	182.2730, 47.0430, -10.0530

# Conversions

## Conversions Part 2

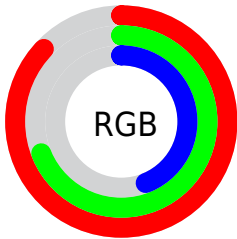
Format	Color
<b>RYB</b>	190, 221, 113
Decimal	14528625
CIELab	74.58, 8.63, 38.34
CIElCh	75, 39.295, 77.314
Yxy	47.6151, 0.4088, 0.4028
Android (android.graphics.Color)	4292718705 (0xFFDDB071)
YUV	182.2730, -34.1516, 33.9636
Hunter-Lab	69.0037, 4.2499, 29.1668

# Details

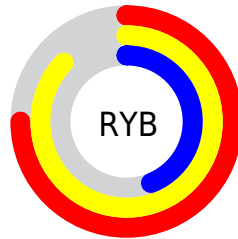
The Yxy color **47.6151, 0.4088, 0.4028** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.1873, 0.2319, 0.2398**, and the grayscale version is **47.1080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7264, 0.3728, 0.3958**, and **22.6667, 0.4342, 0.4203** is the 20% darker color. If you saturate the color by 10%, you get **43.6893, 0.4328, 0.4157**, and if you desaturate by 10%, it is **51.9116, 0.3857, 0.3881**.

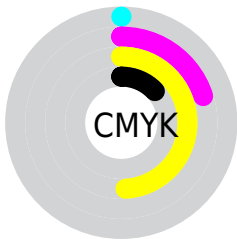
# Distribution



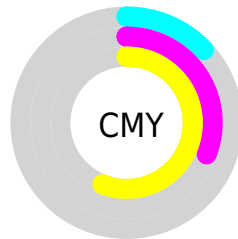
- Red (87%)
- Green (69%)
- Blue (44%)



- Red (75%)
- Yellow (87%)
- Blue (44%)



- Cyan (0%)
- Magenta (20%)
- Yellow (49%)
- Black (13%)




- Cyan (13%)
- Magenta (31%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6151, 0.4088, 0.4028 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 47.6151, 0.4088, 0.4028 by changing the saturation by 10% instead.




 47.6151, 0.4088,  
0.4028


 47.6151, 0.4088,  
0.4028


377.2644, 0.3616,  
0.3681

 33.5222, 0.4199,  
0.4104


 86.6311, 0.3921,  
0.3909


 22.5268, 0.4337,  
0.4195


 112.3229, 0.3857,  
0.3862

 14.2445, 0.4509,  
0.4303


 142.6498, 0.3802,  
0.3821

 8.2909, 0.4726,  
0.4426

 177.9962, 0.3755,  
0.3786

 4.2816, 0.5074,  
0.4621

218.7464, 0.3713,  
0.3755

 1.8323, 0.5348,  
0.4652

265.2850, 0.3677,

 0.5072, 0.5773,

0.3728

0.4227

317.9962, 0.3645,  
0.3703

0.0000, 0.0000,  
0.0000

47.6151, 0.4088,  
0.4028

47.6151, 0.4088,  
0.4028

43.6893, 0.4328,  
0.4157

51.9116, 0.3857,  
0.3881

40.1135, 0.4568,  
0.4257

56.5847, 0.3641,  
0.3725

36.8749, 0.4794,  
0.4314


61.6486, 0.3444,  
0.3569

33.9564, 0.4994,  
0.4321


67.1145, 0.3268,  
0.3418

31.3340, 0.5160,  
0.4276


72.9931, 0.3110,  
0.3274

 31.0507, 0.5179,  
0.4270

 79.2945, 0.2971,  
0.3140

 85.1825, 0.2919,  
0.3141

 90.7559, 0.2921,  
0.3235

 94.1114, 0.2923,  
0.3289

# Harmonies

## Analogous

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



47.6151, 0.4216, 0.3639



47.6151, 0.4088, 0.4028



47.6151, 0.3699, 0.4264

# Triad

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



47.6151, 0.4088, 0.4028



47.6151, 0.2298, 0.3274



47.6151, 0.3001, 0.2548

# Complementary

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



47.6151, 0.4088, 0.4028



33.1873, 0.2319, 0.2398

# 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.



47.6151, 0.2523, 0.2430



47.6151, 0.4088, 0.4028



47.6151, 0.2147, 0.2793

# Square

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



47.6151, 0.4088, 0.4028



47.6151, 0.2666, 0.3824



47.6151, 0.2226, 0.2505



47.6151, 0.3558, 0.2826



# Rectangle

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



47.6151, 0.4088, 0.4028



47.6151, 0.3357, 0.4266



47.6151, 0.2226, 0.2505



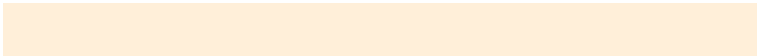
47.6151, 0.2826, 0.2489

# Sweetspot

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



47.6174, 0.4088, 0.4028



88.0270, 0.3376, 0.3512



29.6542, 0.3900, 0.2761



18.5035, 0.3414, 0.3544



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.



47.6174, 0.4088, 0.4028



60.1091, 0.4343, 0.4164



66.8994, 0.3771, 0.4506



14.3072, 0.3277, 0.3426



18.2673, 0.5159, 0.4286



1.3522, 0.4960, 0.4444



# Inverse Universe

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



33.1873, 0.2319, 0.2398



37.9191, 0.2147, 0.2160



21.1728, 0.2263, 0.1776



13.5041, 0.2982, 0.3150



7.6992, 0.1700, 0.1320



0.6664, 0.1790, 0.1642



# Previews

## White Background



This preview shows how the Yxy color 47.6151, 0.4088, 0.4028 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

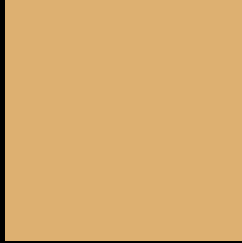
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.6151, 0.4088, 0.4028 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 47.6151, 0.4088, 0.4028**

## Background



This preview shows how black text looks on a background with the Yxy color 47.6151, 0.4088, 0.4028.



This preview shows how white text looks on a background with the Yxy color 47.6151, 0.4088, 0.4028.

# 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

47.6151, 0.4088, 0.4028

### Protanopia

47.8213, 0.3824, 0.4145

### Deuteranopia

47.3818, 0.4104, 0.4014



## Tritanopia

47.6724, 0.3560, 0.3141

# Trichromacy



## Original Color

47.6151, 0.4088, 0.4028

## Protanomaly

47.6954, 0.3922, 0.4099

## Deuteranomaly

47.3818, 0.4104, 0.4014

## Tritanomaly

47.5337, 0.3766, 0.3468

# Monochromacy



## Original Color

47.6151, 0.4088, 0.4028

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.8126, 0.3460, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.6151, 0.4088, 0.4028 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, 176, 113)` looks like.

```
.text, #text, p{  
    color:rgb(221, 176, 113)  
}
```

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, 176, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 176, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 47.6151, 0.4088, 0.4028 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, 176, 113) }
```

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

```
.border{ border-color:rgb(221, 176, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 176, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 176, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 176, 113);  
box-shadow:4px 4px 4px 4px rgb(221, 176,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.6151, 0.4088, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 176, 113) }
```

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

```
.background{ background-color: rgb(221,  
176, 113) }
```

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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