

Converting Colors

$Y_{xy}(47.6719, 0.4020, 0.4071)$

Have a look what the booklet for
Yxy(47.6719, 0.4020, 0.4071)
contains.

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Color

Yxy(47.4801, 0.4020, 0.4068)

Conversions

Conversions Part 1

Format	Color
Hex	D7B271
RGB	215, 178, 113
RGB Percent	84%, 70%, 44%
CMY	0.1570, 0.3019, 0.5568
CMYK	0.00, 0.17, 0.47, 0.16
HSL	38°, 56%, 64%
HSV	38°, 47%, 84%
XYZ	46.9199, 47.4801, 22.3161
YIQ	181.6530, 42.9170, -12.3710

Conversions

Conversions Part 2

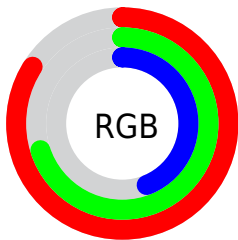
Format	Color
RYB	171, 215, 113
Decimal	14135921
CIELab	74.50, 5.09, 38.11
CIElCh	74, 38.448, 82.385
Yxy	47.4801, 0.4020, 0.4068
Android (android.graphics.Color)	4292326001 (0xFFD7B271)
YUV	181.6530, -33.8459, 29.2453
Hunter-Lab	68.9058, 0.9604, 29.0322

Details

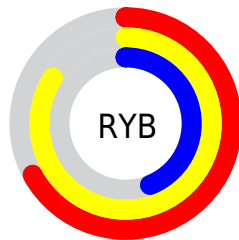
The Yxy color **47.4801, 0.4020, 0.4068** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.2179, 0.2329, 0.2348**, and the grayscale version is **46.7508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8588, 0.3721, 0.3976**, and **22.5497, 0.4247, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **44.0405, 0.4241, 0.4212**, and if you desaturate by 10%, it is **51.2150, 0.3805, 0.3907**.

Distribution



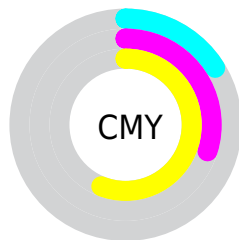
- Red (84%)
- Green (70%)
- Blue (44%)



- Red (67%)
- Yellow (84%)
- Blue (44%)



- Cyan (0%)
- Magenta (17%)
- Yellow (47%)
- Black (16%)





- Cyan (16%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4801, 0.4020, 0.4068 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 47.4801, 0.4020, 0.4068 by changing the saturation by 10% instead.


 47.4801, 0.4020,
0.4068


 47.4801, 0.4020,
0.4068


376.7276, 0.3583,
0.3697


 33.4154, 0.4123,
0.4152


 86.4298, 0.3865,
0.3939

 22.4448, 0.4249,
0.4253


 112.0836, 0.3806,
0.3889

 14.1841, 0.4407,
0.4375


 142.3691, 0.3755,
0.3845

 8.2488, 0.4605,
0.4520

 177.6709, 0.3711,
0.3808

 4.2546, 0.4925,
0.4753

218.3732, 0.3673,
0.3775

 1.8170, 0.5158,
0.4842

264.8605, 0.3639,

 0.4977, 0.5455,

0.3746

0.4545

317.5172, 0.3610,
0.3720

0.0000, 0.0000,
0.0000

47.4801, 0.4020,
0.4068

47.4801, 0.4020,
0.4068

44.0405, 0.4241,
0.4212

51.2150, 0.3805,
0.3907

40.8784, 0.4459,
0.4327

55.2487, 0.3601,
0.3739

37.9837, 0.4662,
0.4403


59.5931, 0.3413,
0.3570


35.3424, 0.4841,
0.4429


64.2570, 0.3243,
0.3406


32.9366, 0.4987,
0.4405

69.2492, 0.3089,
0.3251

 32.3500, 0.5022,
0.4394

 74.5775, 0.2953,
0.3106

 79.6910, 0.2879,
0.3056

 84.1895, 0.2882,
0.3138

 88.8851, 0.2886,
0.3219

Harmonies

Analogous

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



47.4801, 0.4194, 0.3704



47.4801, 0.4020, 0.4068



47.4801, 0.3608, 0.4258

Triad

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



47.4801, 0.4020, 0.4068



47.4801, 0.2274, 0.3186



47.4801, 0.3094, 0.2598

Complementary

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



47.4801, 0.4020, 0.4068



30.2179, 0.2329, 0.2348

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.



47.4801, 0.2604, 0.2453



47.4801, 0.4020, 0.4068



47.4801, 0.2163, 0.2741

Square

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



47.4801, 0.4020, 0.4068



47.4801, 0.2602, 0.3726



47.4801, 0.2278, 0.2493



47.4801, 0.3637, 0.2893

Rectangle

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



47.4801, 0.4020, 0.4068



47.4801, 0.3264, 0.4221



47.4801, 0.2278, 0.2493



47.4801, 0.2918, 0.2531

Sweetspot

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



47.4823, 0.4020, 0.4068



89.9305, 0.3355, 0.3515



28.4698, 0.3932, 0.2837



18.9349, 0.3393, 0.3551



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.



47.4823, 0.4020, 0.4068



64.7682, 0.4244, 0.4214



62.2497, 0.3712, 0.4490



13.7277, 0.3275, 0.3438



19.5622, 0.5006, 0.4407



1.3346, 0.4830, 0.4547

Inverse Universe

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



30.2179, 0.2329, 0.2348



36.4707, 0.2156, 0.2101



21.1985, 0.2336, 0.1843



12.7382, 0.2982, 0.3137



6.3717, 0.1657, 0.1166



0.5391, 0.1755, 0.1517

Previews

White Background



This preview shows how the Yxy color 47.4801, 0.4020, 0.4068 looks on a white background.

Color Contrast Check

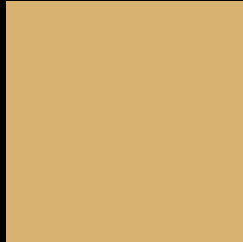
Large Text (above 18pt) WCAG AA × Fail

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 47.4801, 0.4020, 0.4068 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 47.4801, 0.4020, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 47.4801, 0.4020, 0.4068.



This preview shows how white text looks on a background with the Yxy color 47.4801, 0.4020, 0.4068.

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

47.4801, 0.4020, 0.4068

Protanopia

47.3841, 0.3837, 0.4146

Deuteranopia

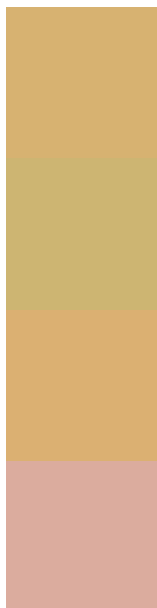
47.4044, 0.4095, 0.4003



Tritanopia

47.3244, 0.3493, 0.3127

Trichromacy



Original Color

47.4801, 0.4020, 0.4068

Protanomaly

47.2418, 0.3902, 0.4120

Deuteranomaly

47.3256, 0.4061, 0.4023

Tritanomaly

47.0337, 0.3688, 0.3460

Monochromacy



Original Color

47.4801, 0.4020, 0.4068

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9514, 0.3440, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4801, 0.4020, 0.4068 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(215, 178, 113)` looks like.

```
.text, #text, p{  
    color:rgb(215, 178, 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(215, 178, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 178, 113) }
```

Border

The CSS property to change the border of an element to Yxy 47.4801, 0.4020, 0.4068 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(215, 178, 113) }
```

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

```
.border{ border-color:rgb(215, 178, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 178, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 178, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 178, 113);  
box-shadow:4px 4px 4px 4px rgb(215, 178,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4801, 0.4020, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 178, 113) }
```

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

```
.background{ background-color: rgb(215,  
178, 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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