

# Converting Colors

$Y_{xy}(46.1798, 0.3690, 0.3627)$

Have a look what the booklet for  
Yxy(46.1798, 0.3690, 0.3627)  
contains.

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# Color

**Yxy(46.0803, 0.3697, 0.3626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2AE93
RGB	210, 174, 147
RGB Percent	82%, 68%, 58%
CMY	0.1764, 0.3176, 0.4235
CMYK	0.00, 0.17, 0.30, 0.18
HSL	26°, 41%, 70%
HSV	26°, 30%, 82%
XYZ	46.9826, 46.0803, 34.0201
YIQ	181.6860, 30.1230, -0.7650

# Conversions

## Conversions Part 2

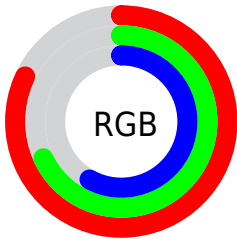
Format	Color
R <sub>Y</sub> B	210, 194, 147
Decimal	13807251
CIE Lab	73.60, 9.14, 18.77
CIE LCh	74, 20.874, 64.025
Yxy	46.0803, 0.3697, 0.3626
Android (android.graphics.Color)	4291997331 (0xFFD2AE93)
YUV	181.6860, -17.1002, 24.8314
Hunter-Lab	67.8825, 4.7485, 17.8038

# Details

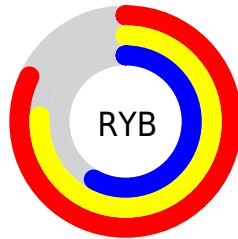
The Yxy color **46.0803, 0.3697, 0.3626** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.7254, 0.2657, 0.2927**, and the grayscale version is **46.6832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5157, 0.3498, 0.3574**, and **21.7322, 0.3868, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **41.0504, 0.3944, 0.3742**, and if you desaturate by 10%, it is **51.6491, 0.3479, 0.3509**.

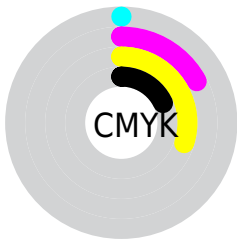
# Distribution



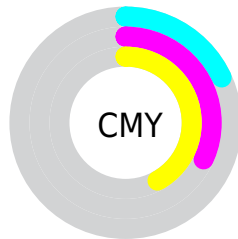
- Red (82%)
- Green (68%)
- Blue (58%)



- Red (82%)
- Yellow (76%)
- Blue (58%)



- Cyan (0%)
- Magenta (17%)
- Yellow (30%)
- Black (18%)




- Cyan (18%)
- Magenta (32%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0803, 0.3697, 0.3626 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 46.0803, 0.3697, 0.3626 by changing the saturation by 10% instead.





 46.0803, 0.3697,  
0.3626

 46.0803, 0.3697,  
0.3626


371.1314, 0.3410,  
0.3464

 32.3092, 0.3769,  
0.3664


 84.3392, 0.3592,  
0.3568

 21.5978, 0.3861,  
0.3712

 109.5957, 0.3553,  
0.3546

 13.5617, 0.3983,  
0.3773


139.4495, 0.3520,  
0.3528

 7.8164, 0.4152,  
0.3853

174.2850, 0.3492,  
0.3511

 3.9777, 0.4399,  
0.3958

214.4865, 0.3467,  
0.3497

 1.6611, 0.4943,  
0.4225

260.4385, 0.3446,

 0.3983, 0.6017,

0.3485

0.3983

312.5253, 0.3427,  
0.3473

0.0000, 0.0000,  
0.0000

46.0803, 0.3697,  
0.3626

46.0803, 0.3697,  
0.3626

41.0504, 0.3944,  
0.3742

51.6491, 0.3479,  
0.3509

36.5357, 0.4220,  
0.3851

57.7669, 0.3290,  
0.3397

32.5200, 0.4518,  
0.3942


64.4515, 0.3127,  
0.3290


28.9833, 0.4827,  
0.4005


71.7178, 0.2987,  
0.3191

25.9044, 0.5129,  
0.4024

79.5804, 0.2866,  
0.3100

 23.2594, 0.5401,  
0.3992

 86.8385, 0.2856,  
0.3196

 21.0158, 0.5629,  
0.3912

 92.4431, 0.2860,  
0.3289

# Harmonies

## Analogous

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



46.0803, 0.3682, 0.3397



46.0803, 0.3697, 0.3626



46.0803, 0.3553, 0.3781

# Triad

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



46.0803, 0.3697, 0.3626



46.0803, 0.2752, 0.3419



46.0803, 0.2939, 0.2828

# Complementary

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



46.0803, 0.3697, 0.3626



44.7254, 0.2657, 0.2927

# 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.



46.0803, 0.2706, 0.2815



46.0803, 0.3697, 0.3626



46.0803, 0.2602, 0.3141

# Square

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



46.0803, 0.3697, 0.3626



46.0803, 0.3004, 0.3669



46.0803, 0.2586, 0.2924



46.0803, 0.3233, 0.2950



# Rectangle

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



46.0803, 0.3697, 0.3626



46.0803, 0.3390, 0.3813



46.0803, 0.2586, 0.2924



46.0803, 0.2851, 0.2810

# Sweetspot

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



46.0824, 0.3697, 0.3626



90.5252, 0.3275, 0.3387



38.0200, 0.3411, 0.2841



19.0630, 0.3300, 0.3403



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.



46.0824, 0.3697, 0.3626



66.4074, 0.3852, 0.3701



59.3569, 0.3594, 0.3978



12.6294, 0.3280, 0.3390



13.0090, 0.5604, 0.3932



0.8834, 0.5283, 0.4187



# Inverse Universe

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



44.7254, 0.2657, 0.2927



63.9643, 0.2557, 0.2836



33.3935, 0.2609, 0.2494



12.5231, 0.2983, 0.3188



11.2357, 0.1843, 0.1833



0.7841, 0.1924, 0.2127



# Previews

## White Background



This preview shows how the Yxy color 46.0803, 0.3697, 0.3626 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 46.0803, 0.3697, 0.3626 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

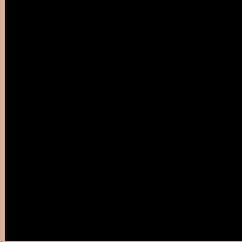
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.0803, 0.3697, 0.3626**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0803, 0.3697, 0.3626.



This preview shows how white text looks on a background with the Yxy color 46.0803, 0.3697, 0.3626.

# 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

46.0803, 0.3697, 0.3626

### Protanopia

46.3261, 0.3472, 0.3696

### Deuteranopia

46.0803, 0.3697, 0.3626



## Tritanopia

46.0495, 0.3428, 0.3135

# Trichromacy



## Original Color

46.0803, 0.3697, 0.3626

## Protanomaly

46.0165, 0.3553, 0.3663

## Deuteranomaly

46.0803, 0.3697, 0.3626

## Tritanomaly

46.1365, 0.3533, 0.3316

# Monochromacy



## Original Color

46.0803, 0.3697, 0.3626

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.3112, 0.3324, 0.3419

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0803, 0.3697, 0.3626 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(210, 174, 147)` looks like.

```
.text, #text, p{  
    color:rgb(210, 174, 147)  
}
```

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(210, 174, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 174, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0803, 0.3697, 0.3626 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(210, 174, 147) }
```

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

```
.border{ border-color:rgb(210, 174, 147) }
```

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

Here you see how a box with a 4 pixel rgb(210, 174, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 174, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 174, 147);  
box-shadow:4px 4px 4px 4px rgb(210, 174,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0803, 0.3697, 0.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 174, 147) }
```

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

```
.background{ background-color: rgb(210,  
174, 147) }
```

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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