

Converting Colors

$Y_{xy}(46.0813, 0.3863, 0.4001)$

Have a look what the booklet for
Yxy(46.0813, 0.3863, 0.4001)
contains.

Yxy(46.2004, 0.3860, 0.4003)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.2004, 0.3860, 0.4003)

Conversions

Conversions Part 1

Format	Color
Hex	CDB279
RGB	205, 178, 121
RGB Percent	80%, 70%, 47%
CMY	0.1961, 0.3019, 0.5254
CMYK	0.00, 0.13, 0.41, 0.20
HSL	41°, 46%, 64%
HSV	41°, 41%, 80%
XYZ	44.5500, 46.2004, 24.6641
YIQ	179.5750, 34.3890, -12.0030

Conversions

Conversions Part 2

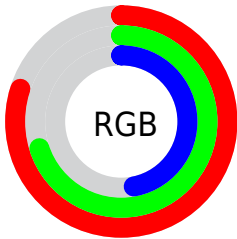
Format	Color
RYB	161, 205, 121
Decimal	13480569
CIELab	73.68, 1.86, 32.70
CIELCh	74, 32.749, 86.739
Yxy	46.2004, 0.3860, 0.4003
Android (android.graphics.Color)	4291670649 (0xFFCDB279)
YUV	179.5750, -28.8775, 22.2977
Hunter-Lab	67.9709, -1.9552, 26.0655

Details

The Yxy color **46.2004, 0.3860, 0.4003** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.6600, 0.2436, 0.2449**, and the grayscale version is **45.5479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1616, 0.3669, 0.3896**, and **21.7662, 0.4051, 0.4201** is the 20% darker color. If you saturate the color by 10%, you get **43.1916, 0.4066, 0.4167**, and if you desaturate by 10%, it is **49.4464, 0.3660, 0.3827**.

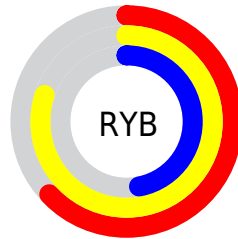
Distribution



Red (80%)

Green (70%)

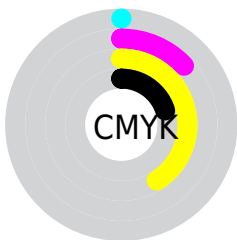
Blue (47%)



Red (63%)

Yellow (80%)

Blue (47%)

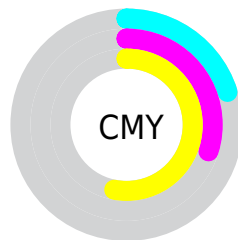


Cyan (0%)

Magenta (13%)

Yellow (41%)

Black (20%)



Cyan (20%)


Magenta (30%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2004, 0.3860, 0.4003 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 46.2004, 0.3860, 0.4003 by changing the saturation by 10% instead.

 46.2004, 0.3860,
0.4003


 46.2004, 0.3860,
0.4003


371.6137, 0.3498,
0.3654


 32.4040, 0.3947,
0.4085


 84.5188, 0.3731,
0.3879

 21.6703, 0.4055,
0.4187

 109.8096, 0.3682,
0.3832

 13.6148, 0.4192,
0.4316


 139.7007, 0.3640,
0.3791

 7.8533, 0.4369,
0.4479

174.5764, 0.3604,
0.3756

 4.0012, 0.4623,
0.4708

214.8212, 0.3572,
0.3726

 1.6742, 0.4981,
0.5019

260.8194, 0.3545,

 0.4069, 0.5151,

0.3699

0.4849

312.9555, 0.3520,
0.3675

0.0000, 0.0000,
0.0000

46.2004, 0.3860,
0.4003

46.2004, 0.3860,
0.4003

43.1916, 0.4066,
0.4167

49.4464, 0.3660,
0.3827

40.4050, 0.4273,
0.4311

52.9310, 0.3473,
0.3649

37.8334, 0.4469,
0.4421

56.6640, 0.3299,
0.3474

35.4661, 0.4647,
0.4489

60.6522, 0.3142,
0.3306

33.2910, 0.4796,
0.4507

64.9024, 0.3000,
0.3148

■ 31.4728, 0.4907,
0.4486

■ 69.4208, 0.2872,
0.3000

■ 73.5851, 0.2812,
0.2960

■ 77.1996, 0.2817,
0.3032

■ 80.9530, 0.2821,
0.3103

Harmonies

Analogous

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



46.2004, 0.4040, 0.3709



46.2004, 0.3860, 0.4003



46.2004, 0.3486, 0.4121

Triad

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



46.2004, 0.3860, 0.4003



46.2004, 0.2359, 0.3143



46.2004, 0.3171, 0.2717

Complementary

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



46.2004, 0.3860, 0.4003



29.6600, 0.2436, 0.2449

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.



46.2004, 0.2731, 0.2568



46.2004, 0.3860, 0.4003



46.2004, 0.2289, 0.2778

Square

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



46.2004, 0.3860, 0.4003



46.2004, 0.2624, 0.3598



46.2004, 0.2419, 0.2582



46.2004, 0.3629, 0.2993

Rectangle

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



46.2004, 0.3860, 0.4003



46.2004, 0.3185, 0.4056



46.2004, 0.2419, 0.2582



46.2004, 0.3015, 0.2651

Sweetspot

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



46.2026, 0.3860, 0.4003



92.0666, 0.3319, 0.3494



28.8292, 0.3809, 0.2933



19.5292, 0.3341, 0.3517



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.



46.2026, 0.3860, 0.4003



71.3872, 0.4038, 0.4146



56.1224, 0.3616, 0.4339



12.4649, 0.3273, 0.3447



19.7707, 0.4894, 0.4496



1.1535, 0.4725, 0.4631

Inverse Universe

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



29.6600, 0.2436, 0.2449



40.8019, 0.2280, 0.2232



23.2394, 0.2490, 0.2077



11.4230, 0.2983, 0.3128



5.3165, 0.1629, 0.1063



0.4118, 0.1741, 0.1466

Previews

White Background



This preview shows how the Yxy color 46.2004, 0.3860, 0.4003 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 46.2004, 0.3860, 0.4003 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 46.2004, 0.3860, 0.4003

Background



This preview shows how black text looks on a background with the Yxy color 46.2004, 0.3860, 0.4003.



This preview shows how white text looks on a background with the Yxy color 46.2004, 0.3860, 0.4003.

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

46.2004, 0.3860, 0.4003

Protanopia

46.1887, 0.3752, 0.4049

Deuteranopia

46.0440, 0.3991, 0.3904



Tritanopia

46.0172, 0.3390, 0.3133

Trichromacy



Original Color

46.2004, 0.3860, 0.4003

Protanomaly

46.1898, 0.3785, 0.4030

Deuteranomaly

46.2112, 0.3943, 0.3937

Tritanomaly

45.9805, 0.3573, 0.3452

Monochromacy



Original Color

46.2004, 0.3860, 0.4003

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5622, 0.3382, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2004, 0.3860, 0.4003 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(205, 178, 121)` looks like.

```
.text, #text, p{  
    color:rgb(205, 178, 121)  
}
```

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(205, 178, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 178, 121) }
```

Border

The CSS property to change the border of an element to Yxy 46.2004, 0.3860, 0.4003 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(205, 178, 121) }
```

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

```
.border{ border-color:rgb(205, 178, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 178, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 178, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 178, 121);  
box-shadow:4px 4px 4px 4px rgb(205, 178,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2004, 0.3860, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 178, 121) }
```

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

```
.background{ background-color: rgb(205,  
178, 121) }
```

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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