

Converting Colors

$Yxy(45.7136, 0.3927, 0.3694)$

Have a look what the booklet for
Yxy(45.7136, 0.3927, 0.3694)
contains.

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Color

Yxy(45.5257, 0.3923, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	DDA988
RGB	221, 169, 136
RGB Percent	87%, 66%, 53%
CMY	0.1333, 0.3372, 0.4666
CMYK	0.00, 0.24, 0.38, 0.13
HSL	23°, 56%, 70%
HSV	23°, 38%, 87%
XYZ	48.4529, 45.5257, 29.5312
YIQ	180.7860, 41.5850, 0.7610

Conversions

Conversions Part 2

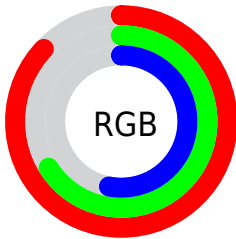
Format	Color
R_{YB}	221, 190, 136
Decimal	14526856
CIE Lab	73.24, 14.78, 24.40
CIE LCh	73, 28.524, 58.792
Yxy	45.5257, 0.3923, 0.3686
Android (android.graphics.Color)	4292716936 (0xFFDDA988)
YUV	180.7860, -22.0795, 35.2677
Hunter-Lab	67.4727, 10.1054, 21.2811

Details

The Yxy color **45.5257, 0.3923, 0.3686** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.4308, 0.2530, 0.2852**, and the grayscale version is **46.1934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2890, 0.3586, 0.3637**, and **21.2870, 0.4146, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **40.1886, 0.4207, 0.3786**, and if you desaturate by 10%, it is **51.5171, 0.3671, 0.3580**.

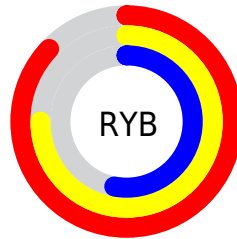
Distribution



Red (87%)

Green (66%)

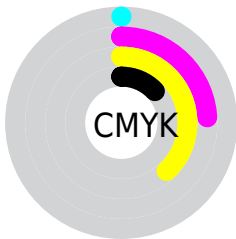
Blue (53%)



Red (87%)

Yellow (75%)

Blue (53%)

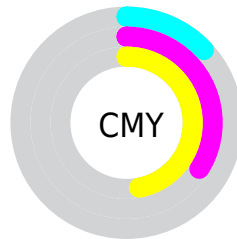


Cyan (0%)

Magenta (24%)

Yellow (38%)

Black (13%)



Cyan (13%)


Magenta (34%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5257, 0.3923, 0.3686 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 45.5257, 0.3923, 0.3686 by changing the saturation by 10% instead.


 45.5257, 0.3923,
0.3686

 45.5257, 0.3923,
0.3686


368.8985, 0.3522,
0.3500

 31.8717, 0.4023,
0.3728


 83.5087, 0.3777,
0.3622

 21.2635, 0.4151,
0.3778


 108.6065, 0.3722,
0.3597

 13.3168, 0.4319,
0.3838


 138.2877, 0.3676,
0.3575

 7.6470, 0.4549,
0.3910

172.9367, 0.3636,
0.3556

 3.8699, 0.4875,
0.3989

212.9379, 0.3602,
0.3540

 1.6011, 0.5700,
0.4300

258.6757, 0.3572,

 0.3583, 0.6619,

0.3525

0.3381

310.5344, 0.3545,
0.3512

0.0000, 0.0000,
0.0000

45.5257, 0.3923,
0.3686

45.5257, 0.3923,
0.3686

40.1886, 0.4207,
0.3786

51.5171, 0.3671,
0.3580

35.4756, 0.4519,
0.3871

58.1787, 0.3453,
0.3474

31.3634, 0.4848,
0.3929

65.5339, 0.3265,
0.3372

27.8245, 0.5173,
0.3947

73.6029, 0.3104,
0.3276

24.8284, 0.5469,
0.3914

82.4052, 0.2966,
0.3187

■ 22.3379, 0.5714,
0.3831

■ 91.0508, 0.2922,
0.3240

■ 21.9933, 0.5750,
0.3817

■ 94.1131, 0.2923,
0.3289

Harmonies

Analogous

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



45.5257, 0.3865, 0.3366



45.5257, 0.3923, 0.3686



45.5257, 0.3754, 0.3931

Triad

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



45.5257, 0.3923, 0.3686



45.5257, 0.2665, 0.3533



45.5257, 0.2804, 0.2655

Complementary

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



45.5257, 0.3923, 0.3686



46.4308, 0.2530, 0.2852

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.



45.5257, 0.2516, 0.2660



45.5257, 0.3923, 0.3686



45.5257, 0.2440, 0.3140

Square

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



45.5257, 0.3923, 0.3686



45.5257, 0.3021, 0.3868



45.5257, 0.2388, 0.2826



45.5257, 0.3196, 0.2796

Rectangle

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



45.5257, 0.3923, 0.3686



45.5257, 0.3544, 0.4009



45.5257, 0.2388, 0.2826



45.5257, 0.2693, 0.2639

Sweetspot

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



45.5279, 0.3923, 0.3686



86.8139, 0.3330, 0.3408



36.6349, 0.3492, 0.2679



18.2932, 0.3354, 0.3421



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.



45.5279, 0.3923, 0.3686



57.0470, 0.4145, 0.3766



63.7846, 0.3741, 0.4143



13.8761, 0.3282, 0.3381



12.9801, 0.5722, 0.3839



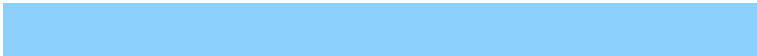
1.0052, 0.5419, 0.4079

Inverse Universe

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



46.4308, 0.2530, 0.2852



58.4311, 0.2413, 0.2743



30.9927, 0.2442, 0.2261



13.9368, 0.2982, 0.3197



13.3612, 0.1881, 0.1972



1.0310, 0.1947, 0.2210

Previews

White Background



This preview shows how the Yxy color 45.5257, 0.3923, 0.3686 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 45.5257, 0.3923, 0.3686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

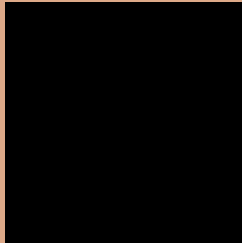
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5257, 0.3923, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 45.5257, 0.3923, 0.3686.



This preview shows how white text looks on a background with the Yxy color 45.5257, 0.3923, 0.3686.

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

45.5257, 0.3923, 0.3686

Protanopia

45.7721, 0.3560, 0.3801

Deuteranopia

45.6335, 0.3828, 0.3759



Tritanopia

45.3365, 0.3600, 0.3140

Trichromacy



Original Color

45.5257, 0.3923, 0.3686

Protanomaly

45.6113, 0.3695, 0.3760

Deuteranomaly

45.7014, 0.3861, 0.3743

Tritanomaly

45.3308, 0.3729, 0.3339

Monochromacy



Original Color

45.5257, 0.3923, 0.3686

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.8967, 0.3398, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5257, 0.3923, 0.3686 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, 169, 136)` looks like.

```
.text, #text, p{  
    color:rgb(221, 169, 136)  
}
```

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, 169, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 169, 136) }
```

Border

The CSS property to change the border of an element to Yxy 45.5257, 0.3923, 0.3686 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, 169, 136) }
```

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

```
.border{ border-color:rgb(221, 169, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 169, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 169, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 169, 136);  
box-shadow:4px 4px 4px 4px rgb(221, 169,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5257, 0.3923, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 169, 136) }
```

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

```
.background{ background-color: rgb(221,  
169, 136) }
```

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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