

Converting Colors

$Y_{xy}(43.3205, 0.4225, 0.4006)$

Have a look what the booklet for
Yxy(43.3205, 0.4225, 0.4006)
contains.

Yxy(43.1254, 0.4225, 0.4007)	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(43.1254, 0.4225, 0.4007)

Conversions

Conversions Part 1

Format	Color
Hex	DCA568
RGB	220, 165, 104
RGB Percent	86%, 65%, 41%
CMY	0.1372, 0.3529, 0.5921
CMYK	0.00, 0.25, 0.53, 0.14
HSL	32°, 62%, 64%
HSV	32°, 53%, 86%
XYZ	45.4716, 43.1254, 19.0281
YIQ	174.4910, 52.3610, -7.3110

Conversions

Conversions Part 2

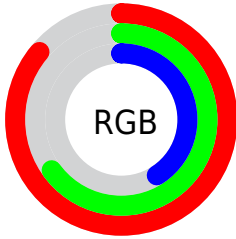
Format	Color
R _Y B	209, 220, 104
Decimal	14460264
CIE Lab	71.64, 13.30, 39.29
CIE LCh	72, 41.475, 71.302
Yxy	43.1254, 0.4225, 0.4007
Android (android.graphics.Color)	4292650344 (0xFFDCA568)
YUV	174.4910, -34.7521, 39.9114
Hunter-Lab	65.6699, 8.6758, 28.7894

Details

The Yxy color **43.1254, 0.4225, 0.4007** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.9164, 0.2275, 0.2414**, and the grayscale version is **42.7576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8467, 0.3839, 0.3945**, and **19.7675, 0.4520, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **39.1254, 0.4489, 0.4114**, and if you desaturate by 10%, it is **47.5533, 0.3972, 0.3878**.

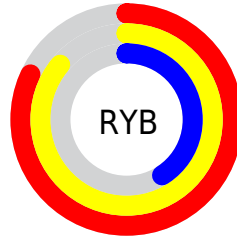
Distribution



Red (86%)

Green (65%)

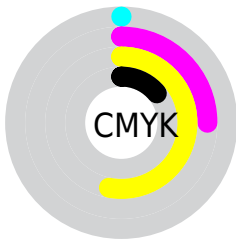
Blue (41%)



Red (82%)

Yellow (86%)

Blue (41%)

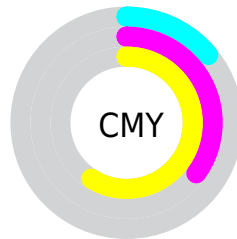


Cyan (0%)

Magenta (25%)

Yellow (53%)

Black (14%)



Cyan (14%)


Magenta (35%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1254, 0.4225, 0.4007 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 43.1254, 0.4225, 0.4007 by changing the saturation by 10% instead.


 43.1254, 0.4225,
0.4007


 43.1254, 0.4225,
0.4007


359.1272, 0.3677,
0.3674

 29.9835, 0.4356,
0.4078


 79.9001, 0.4029,
0.3894

 19.8261, 0.4520,
0.4160


 104.3016, 0.3954,
0.3849

 12.2687, 0.4725,
0.4251


 133.2252, 0.3890,
0.3810

 6.9269, 0.4984,
0.4344

 167.0552, 0.3835,
0.3776

 3.4164, 0.5462,
0.4538

206.1760, 0.3788,
0.3746

 1.3528, 0.5663,
0.4337

250.9720, 0.3746,

 0.1816, 0.7325,

0.3719

0.2675

301.8276, 0.3709,
0.3695

0.0000, 0.0000,
0.0000

43.1254, 0.4225,
0.4007

43.1254, 0.4225,
0.4007

39.1254, 0.4489,
0.4114

47.5533, 0.3972,
0.3878

35.5305, 0.4752,
0.4187

52.4180, 0.3737,
0.3739

32.3245, 0.4998,
0.4213

57.7362, 0.3525,
0.3597

29.4867, 0.5212,
0.4185

63.5212, 0.3336,
0.3458

27.6324, 0.5347,
0.4136

69.7860, 0.3169,
0.3325

■ 76.5428, 0.3023,
0.3200

■ 83.6071, 0.2912,
0.3115

■ 89.8610, 0.2915,
0.3223

■ 93.9570, 0.2917,
0.3289

Harmonies

Analogous

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



43.1254, 0.4300, 0.3567



43.1254, 0.4225, 0.4007



43.1254, 0.3846, 0.4319

Triad

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



43.1254, 0.4225, 0.4007



43.1254, 0.2290, 0.3390



43.1254, 0.2871, 0.2449

Complementary

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



43.1254, 0.4225, 0.4007



32.9164, 0.2275, 0.2414

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.



43.1254, 0.2390, 0.2359



43.1254, 0.4225, 0.4007



43.1254, 0.2081, 0.2834

Square

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



43.1254, 0.4225, 0.4007



43.1254, 0.2724, 0.3985



43.1254, 0.2117, 0.2480



43.1254, 0.3474, 0.2716

Rectangle

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



43.1254, 0.4225, 0.4007



43.1254, 0.3487, 0.4376



43.1254, 0.2117, 0.2480



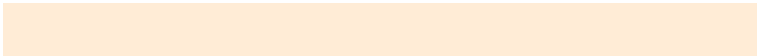
43.1254, 0.2691, 0.2397

Sweetspot

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



43.1275, 0.4225, 0.4007



85.9155, 0.3398, 0.3504



27.6618, 0.3889, 0.2635



18.0288, 0.3437, 0.3533



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.



43.1275, 0.4225, 0.4007



54.2402, 0.4510, 0.4121



67.1077, 0.3875, 0.4559



14.1789, 0.3278, 0.3413



16.4408, 0.5325, 0.4154



1.2373, 0.5091, 0.4340

Inverse Universe

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



32.9164, 0.2275, 0.2414



38.5690, 0.2114, 0.2193



18.1329, 0.2128, 0.1620



13.6306, 0.2982, 0.3164



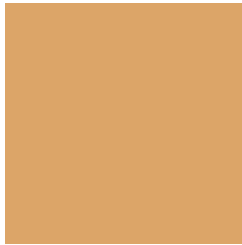
9.1023, 0.1750, 0.1501



0.7614, 0.1835, 0.1806

Previews

White Background



This preview shows how the Yxy color 43.1254, 0.4225, 0.4007 looks on a white background.

Color Contrast Check

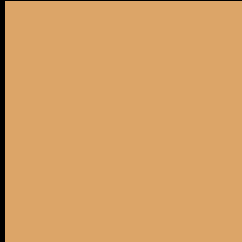
Large Text (above 18pt) WCAG AA × Fail

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 43.1254, 0.4225, 0.4007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

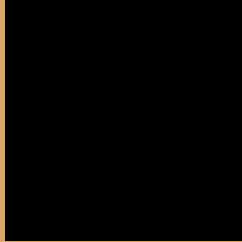
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.1254, 0.4225, 0.4007

Background



This preview shows how black text looks on a background with the Yxy color 43.1254, 0.4225, 0.4007.



This preview shows how white text looks on a background with the Yxy color 43.1254, 0.4225, 0.4007.

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

43.1254, 0.4225, 0.4007

Protanopia

43.3398, 0.3852, 0.4177

Deuteranopia

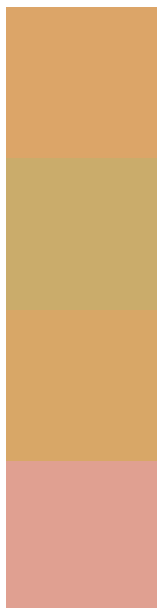
43.2807, 0.4156, 0.4071



Tritanopia

43.1473, 0.3694, 0.3151

Trichromacy



Original Color

43.1254, 0.4225, 0.4007

Protanomaly

43.1231, 0.3981, 0.4110

Deuteranomaly

43.2156, 0.4182, 0.4053

Tritanomaly

43.0332, 0.3905, 0.3470

Monochromacy



Original Color

43.1254, 0.4225, 0.4007

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3721, 0.3507, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1254, 0.4225, 0.4007 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(220, 165, 104)` looks like.

```
.text, #text, p{  
    color:rgb(220, 165, 104)  
}
```

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(220, 165, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 165, 104) }
```

Border

The CSS property to change the border of an element to Yxy 43.1254, 0.4225, 0.4007 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(220, 165, 104) }
```

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

```
.border{ border-color:rgb(220, 165, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 165, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 165, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 165, 104);  
box-shadow:4px 4px 4px 4px rgb(220, 165,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1254, 0.4225, 0.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 165, 104) }
```

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

```
.background{ background-color: rgb(220,  
165, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor