

Converting Colors

$Y_{xy}(44.3271, 0.4162, 0.3987)$

Have a look what the booklet for
Yxy(44.3271, 0.4162, 0.3987)
contains.

Yxy(44.3250, 0.4162, 0.3987)	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(44.3250, 0.4162, 0.3987)

Conversions

Conversions Part 1

Format	Color
Hex	DCA86D
RGB	220, 168, 109
RGB Percent	86%, 66%, 43%
CMY	0.1374, 0.3411, 0.5726
CMYK	0.00, 0.24, 0.50, 0.14
HSL	32°, 61%, 64%
HSV	32°, 50%, 86%
XYZ	46.2705, 44.3250, 20.5783
YIQ	176.8220, 49.9310, -7.3250

Conversions

Conversions Part 2

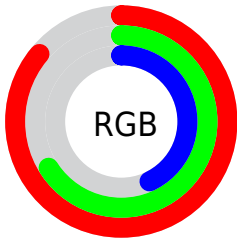
Format	Color
R_{YB}	207, 220, 109
Decimal	14461037
CIE _{Lab}	72.45, 12.10, 37.72
CIE _{LCh}	72, 39.611, 72.210
Yxy	44.3250, 0.4162, 0.3987
Android (android.graphics.Color)	4292651117 (0xFFDCA86D)
YUV	176.8220, -33.4362, 37.8671
Hunter-Lab	66.5770, 7.5464, 28.2780

Details

The Yxy color **44.3250, 0.4162, 0.3987** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.8806, 0.2309, 0.2448**, and the grayscale version is **44.0266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6086, 0.3793, 0.3923**, and **20.4984, 0.4434, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **40.2583, 0.4422, 0.4101**, and if you desaturate by 10%, it is **48.8155, 0.3914, 0.3854**.

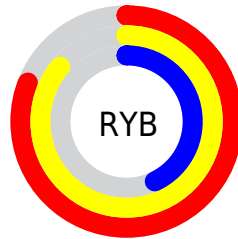
Distribution



Red (86%)

Green (66%)

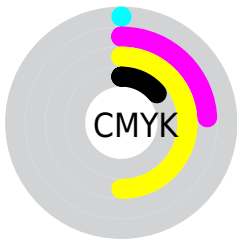
Blue (43%)



Red (81%)

Yellow (86%)

Blue (43%)

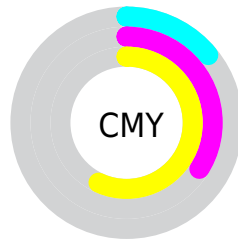


Cyan (0%)

Magenta (24%)

Yellow (50%)

Black (14%)



Cyan (14%)


Magenta (34%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3250, 0.4162, 0.3987 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 44.3250, 0.4162, 0.3987 by changing the saturation by 10% instead.


 44.3250, 0.4162,
0.3987

 44.3250, 0.4162,
0.3987


364.0329, 0.3646,
0.3661

 30.9261, 0.4286,
0.4058


 81.7066, 0.3977,
0.3876

 20.5426, 0.4440,
0.4140


 106.4580, 0.3907,
0.3832

 12.7901, 0.4634,
0.4236


 135.7624, 0.3847,
0.3794

 7.2841, 0.4883,
0.4338

 170.0042, 0.3796,
0.3760

 3.6404, 0.5354,
0.4560

209.5678, 0.3751,
0.3731

 1.4745, 0.5576,
0.4424

254.8374, 0.3712,

 0.2707, 0.6713,

0.3705

0.3287

306.1977, 0.3677,
0.3682

0.0000, 0.0000,
0.0000

44.3250, 0.4162,
0.3987

44.3250, 0.4162,
0.3987

40.2583, 0.4422,
0.4101

48.8155, 0.3914,
0.3854

36.5932, 0.4684,
0.4184

53.7382, 0.3686,
0.3711

33.3141, 0.4932,
0.4223

59.1092, 0.3479,
0.3568

30.4015, 0.5152,
0.4209

64.9414, 0.3296,
0.3428

27.9362, 0.5329,
0.4151

71.2475, 0.3134,
0.3296

■ 78.0392, 0.2992,
0.3172

■ 84.8048, 0.2912,
0.3137

■ 91.0430, 0.2916,
0.3243

■ 93.9510, 0.2917,
0.3289

Harmonies

Analogous

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



44.3250, 0.4241, 0.3572



44.3250, 0.4162, 0.3987



44.3250, 0.3798, 0.4271

Triad

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



44.3250, 0.4162, 0.3987



44.3250, 0.2323, 0.3370



44.3250, 0.2902, 0.2494

Complementary

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



44.3250, 0.4162, 0.3987



33.8806, 0.2309, 0.2448

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.



44.3250, 0.2438, 0.2403



44.3250, 0.4162, 0.3987



44.3250, 0.2129, 0.2848

Square

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



44.3250, 0.4162, 0.3987



44.3250, 0.2732, 0.3929



44.3250, 0.2170, 0.2515



44.3250, 0.3474, 0.2754

Rectangle

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



44.3250, 0.4162, 0.3987



44.3250, 0.3456, 0.4314



44.3250, 0.2170, 0.2515



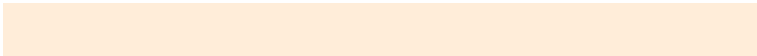
44.3250, 0.2730, 0.2443

Sweetspot

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



44.3271, 0.4162, 0.3987



86.8811, 0.3379, 0.3493



28.7746, 0.3841, 0.2660



18.2275, 0.3418, 0.3523



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.



44.3271, 0.4162, 0.3987



55.7046, 0.4450, 0.4112



67.1985, 0.3848, 0.4513



14.1926, 0.3278, 0.3414



16.6256, 0.5307, 0.4168



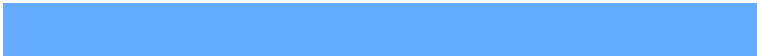
1.2491, 0.5077, 0.4351

Inverse Universe

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



33.8806, 0.2309, 0.2448



39.5010, 0.2140, 0.2222



19.4668, 0.2176, 0.1700



13.6170, 0.2982, 0.3162



8.9416, 0.1745, 0.1481



0.7508, 0.1830, 0.1788

Previews

White Background



This preview shows how the Yxy color 44.3250, 0.4162, 0.3987 looks on a white background.

Color Contrast Check

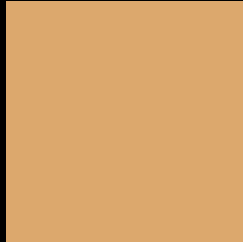
Large Text (above 18pt) WCAG AA × Fail

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 44.3250, 0.4162, 0.3987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

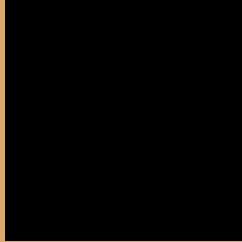
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.3250, 0.4162, 0.3987

Background



This preview shows how black text looks on a background with the Yxy color 44.3250, 0.4162, 0.3987.



This preview shows how white text looks on a background with the Yxy color 44.3250, 0.4162, 0.3987.

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

44.3250, 0.4162, 0.3987

Protanopia

44.5024, 0.3821, 0.4132

Deuteranopia

44.4525, 0.4111, 0.4021



Tritanopia

44.2889, 0.3656, 0.3151

Trichromacy



Original Color

44.3250, 0.4162, 0.3987

Protanomaly

44.1385, 0.3937, 0.4071

Deuteranomaly

44.2318, 0.4127, 0.4007

Tritanomaly

44.2116, 0.3853, 0.3458

Monochromacy



Original Color

44.3250, 0.4162, 0.3987

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.8766, 0.3491, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3250, 0.4162, 0.3987 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, 168, 109)` looks like.

```
.text, #text, p{  
    color:rgb(220, 168, 109)  
}
```

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, 168, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 168, 109) }
```

Border

The CSS property to change the border of an element to Yxy 44.3250, 0.4162, 0.3987 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, 168, 109) }
```

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

```
.border{ border-color:rgb(220, 168, 109) }
```

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

Here you see how a box with a 4 pixel rgb(220, 168, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 168, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 168, 109);  
box-shadow:4px 4px 4px 4px rgb(220, 168,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3250, 0.4162, 0.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 168, 109) }
```

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

```
.background{ background-color: rgb(220,  
168, 109) }
```

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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