

Converting Colors

$Yxy(44.8711, 0.4196, 0.4352)$

Have a look what the booklet for
Yxy(44.8711, 0.4196, 0.4352)
contains.

Yxy(44.8711, 0.4196, 0.4352)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.8711, 0.4196, 0.4352)

Conversions

Conversions Part 1

Format	Color
Hex	D1AF55
RGB	209, 175, 85
RGB Percent	82%, 69%, 33%
CMY	0.1804, 0.3137, 0.6667
CMYK	0.00, 0.16, 0.59, 0.18
HSL	44°, 57%, 58%
HSV	44°, 59%, 82%
XYZ	43.2627, 44.8711, 14.9708
YIQ	174.9060, 49.1540, -20.7820

Conversions

Conversions Part 2

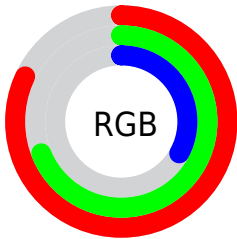
Format	Color
RYB	132, 209, 85
Decimal	13741909
CIELab	72.81, 1.83, 49.89
CIElCh	73, 49.922, 87.901
Yxy	44.8711, 0.4196, 0.4352
Android (android.graphics.Color)	4291931989 (0xFFD1AF55)
YUV	174.9060, -44.3237, 29.9004
Hunter-Lab	66.9859, -1.9415, 33.6393

Details

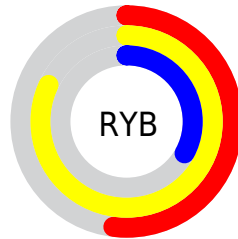
The Yxy color **44.8711, 0.4196, 0.4352** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **19.7201, 0.2090, 0.1886**, and the grayscale version is **43.0332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6598, 0.3921, 0.4218**, and **20.9511, 0.4446, 0.4587** is the 20% darker color. If you saturate the color by 10%, you get **42.4060, 0.4377, 0.4477**, and if you desaturate by 10%, it is **47.5332, 0.4004, 0.4196**.

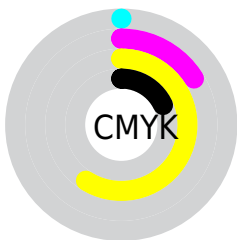
Distribution



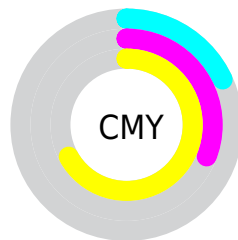
- Red (82%)
- Green (69%)
- Blue (33%)



- Red (52%)
- Yellow (82%)
- Blue (33%)



- Cyan (0%)
- Magenta (16%)
- Yellow (59%)
- Black (18%)





- Cyan (18%)
- Magenta (31%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8711, 0.4196, 0.4352 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 44.8711, 0.4196, 0.4352 by changing the saturation by 10% instead.

 44.8711, 0.4196,
0.4352

 44.8711, 0.4196,
0.4352


366.2513, 0.3684,
0.3849

 31.3559, 0.4309,
0.4461


 82.5269, 0.4020,
0.4180

 20.8700, 0.4441,
0.4587

 107.4364, 0.3950,
0.4112


 13.0290, 0.4594,
0.4731


 136.9127, 0.3890,
0.4053

 7.4485, 0.4786,
0.4906

 171.3403, 0.3838,
0.4001

 3.7442, 0.4955,
0.5045

 211.1036, 0.3792,
0.3956

 1.5315, 0.4983,
0.5017

256.5869, 0.3752,

 0.3107, 0.5225,

0.3916

0.4775

308.1746, 0.3716,
0.3880

0.0000, 0.0000,
0.0000

44.8711, 0.4196,
0.4352

44.8711, 0.4196,
0.4352

42.4060, 0.4377,
0.4477

47.5332, 0.4004,
0.4196

40.1213, 0.4538,
0.4560

50.3947, 0.3810,
0.4020

38.0075, 0.4671,
0.4595

53.4660, 0.3620,
0.3832

36.0455, 0.4776,
0.4585

56.7547, 0.3440,
0.3643

35.9195, 0.4783,
0.4584

60.2678, 0.3272,
0.3457

■ 64.0118, 0.3117,
0.3279

■ 67.9931, 0.2978,
0.3111

■ 72.2177, 0.2852,
0.2955

■ 75.4715, 0.2839,
0.2988

Harmonies

Analogous

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



44.8711, 0.4513, 0.3884



44.8711, 0.4196, 0.4352



44.8711, 0.3610, 0.4588

Triad

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



44.8711, 0.4196, 0.4352



44.8711, 0.1979, 0.3007



44.8711, 0.3206, 0.2463

Complementary

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



44.8711, 0.4196, 0.4352



19.7201, 0.2090, 0.1886

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.



44.8711, 0.2544, 0.2241



44.8711, 0.4196, 0.4352



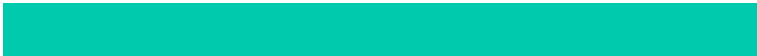
44.8711, 0.1902, 0.2482

Square

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



44.8711, 0.4196, 0.4352



44.8711, 0.2337, 0.3738



44.8711, 0.2094, 0.2235



44.8711, 0.3921, 0.2856

Rectangle

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



44.8711, 0.4196, 0.4352



44.8711, 0.3155, 0.4505



44.8711, 0.2094, 0.2235



44.8711, 0.2968, 0.2367

Sweetspot

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



44.8732, 0.4196, 0.4352



89.6232, 0.3420, 0.3621



21.4078, 0.4418, 0.2872



18.8479, 0.3471, 0.3677



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.



44.8732, 0.4196, 0.4352



65.5987, 0.4419, 0.4501



56.2148, 0.3737, 0.4800



13.2268, 0.3273, 0.3458



22.3199, 0.4772, 0.4593



1.3766, 0.4643, 0.4696

Inverse Universe

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



19.7201, 0.2090, 0.1886



22.9815, 0.1886, 0.1547



14.5324, 0.2187, 0.1484



11.9375, 0.2982, 0.3116



4.8021, 0.1597, 0.0950



0.4022, 0.1700, 0.1319

Previews

White Background



This preview shows how the Yxy color 44.8711, 0.4196, 0.4352 looks on a white background.

Color Contrast Check

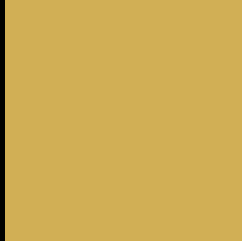
Large Text (above 18pt) WCAG AA × Fail

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 44.8711, 0.4196, 0.4352 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 44.8711, 0.4196, 0.4352

Background



This preview shows how black text looks on a background with the Yxy color 44.8711, 0.4196, 0.4352.



This preview shows how white text looks on a background with the Yxy color 44.8711, 0.4196, 0.4352.

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

44.8711, 0.4196, 0.4352

Protanopia

44.9179, 0.4056, 0.4433

Deuteranopia

44.7935, 0.4340, 0.4238



Tritanopia

44.8763, 0.3501, 0.3136

Trichromacy



Original Color

44.8711, 0.4196, 0.4352

Protanomaly

45.0692, 0.4101, 0.4405

Deuteranomaly

44.9286, 0.4287, 0.4276

Tritanomaly

44.6857, 0.3781, 0.3599

Monochromacy



Original Color

44.8711, 0.4196, 0.4352

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.1777, 0.3519, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8711, 0.4196, 0.4352 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(209, 175, 85)` looks like.

```
.text, #text, p{  
    color:rgb(209, 175, 85)  
}
```

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(209, 175, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 175, 85) }
```

Border

The CSS property to change the border of an element to Yxy 44.8711, 0.4196, 0.4352 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(209, 175, 85) }
```

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

```
.border{ border-color:rgb(209, 175, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 175, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 175, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 175, 85);  
box-shadow:4px 4px 4px 4px rgb(209, 175,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8711, 0.4196, 0.4352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 175, 85) }
```

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

```
.background{ background-color: rgb(209,  
175, 85) }
```

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