

Converting Colors

$Y_{xy}(45.8925, 0.3942, 0.4017)$

Have a look what the booklet for
Yxy(45.8925, 0.3942, 0.4017)
contains.

| | |
|---|----|
| Yxy(45.8903, 0.3942, 0.4017) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(45.8903, 0.3942, 0.4017)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D1B075 |
| RGB | 209, 176, 117 |
| RGB Percent | 82%, 69%, 46% |
| CMY | 0.1803, 0.3098, 0.5411 |
| CMYK | 0.00, 0.16, 0.44, 0.18 |
| HSL | 38°, 50%, 64% |
| HSV | 38°, 44%, 82% |
| XYZ | 45.0335, 45.8903, 23.3164 |
| YIQ | 179.1410, 38.6070, -11.3530 |

Conversions

Conversions Part 2

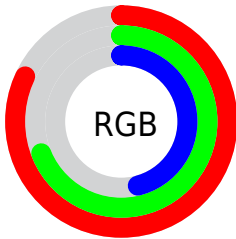
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 168, 209, 117 |
| Decimal | 13742197 |
| CIELab | 73.47, 4.13, 34.61 |
| CIELCh | 73, 34.857, 83.196 |
| Yxy | 45.8903, 0.3942, 0.4017 |
| Android (android.graphics.Color) | 4291932277 (0xFFD1B075) |
| YUV | 179.1410, -30.6355, 26.1863 |
| Hunter-Lab | 67.7424, 0.1133, 27.0125 |

Details

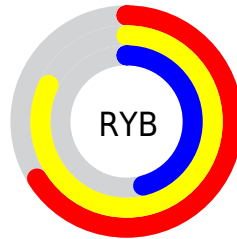
The Yxy color **45.8903, 0.3942, 0.4017** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.2060, 0.2389, 0.2425**, and the grayscale version is **45.3115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3141, 0.3704, 0.3908**, and **21.5929, 0.4163, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **42.5942, 0.4160, 0.4169**, and if you desaturate by 10%, it is **49.4630, 0.3731, 0.3852**.

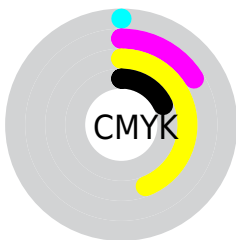
Distribution



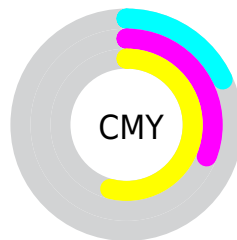
- Red (82%)
- Green (69%)
- Blue (46%)



- Red (66%)
- Yellow (82%)
- Blue (46%)



- Cyan (0%)
- Magenta (16%)
- Yellow (44%)
- Black (18%)





- Cyan (18%)
- Magenta (31%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8903, 0.3942, 0.4017 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 45.8903, 0.3942, 0.4017 by changing the saturation by 10% instead.


 45.8903, 0.3942,
0.4017


 45.8903, 0.3942,
0.4017

370.3674, 0.3539,
0.3665


 32.1593, 0.4038,
0.4099


 84.0548, 0.3798,
0.3893

 21.4832, 0.4158,
0.4199


 109.2570, 0.3744,
0.3845

 13.4776, 0.4310,
0.4322


 139.0518, 0.3697,
0.3804

 7.7583, 0.4504,
0.4474

173.8235, 0.3657,
0.3769

 3.9407, 0.4806,
0.4705

213.9565, 0.3622,
0.3738

 1.6404, 0.5113,
0.4887

259.8353, 0.3591,

 0.3846, 0.5480,

0.3711

0.4520

311.8441, 0.3564,
0.3686

0.0000, 0.0000,
0.0000

45.8903, 0.3942,
0.4017

45.8903, 0.3942,
0.4017

42.5942, 0.4160,
0.4169

49.4630, 0.3731,
0.3852

39.5581, 0.4379,
0.4296

53.3151, 0.3534,
0.3682

36.7734, 0.4587,
0.4387


57.4573, 0.3353,
0.3514


34.2276, 0.4773,
0.4433

61.8978, 0.3188,
0.3353


31.9064, 0.4929,
0.4426

66.6444, 0.3041,
0.3200

 30.6117, 0.5010,
0.4404

 71.7045, 0.2910,
0.3057

 76.5376, 0.2840,
0.3009

 80.7658, 0.2844,
0.3090

 85.1754, 0.2848,
0.3169

Harmonies

Analogous

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



45.8903, 0.4106, 0.3688



45.8903, 0.3942, 0.4017



45.8903, 0.3561, 0.4177

Triad

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



45.8903, 0.3942, 0.4017



45.8903, 0.2334, 0.3186



45.8903, 0.3113, 0.2656

Complementary

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



45.8903, 0.3942, 0.4017



30.2060, 0.2389, 0.2425

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.



45.8903, 0.2657, 0.2517



45.8903, 0.3942, 0.4017



45.8903, 0.2236, 0.2780

Square

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



45.8903, 0.3942, 0.4017



45.8903, 0.2635, 0.3676



45.8903, 0.2348, 0.2552



45.8903, 0.3609, 0.2934

Rectangle

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



45.8903, 0.3942, 0.4017



45.8903, 0.3244, 0.4133



45.8903, 0.2348, 0.2552



45.8903, 0.2949, 0.2592

Sweetspot

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



45.8925, 0.3942, 0.4017



90.6902, 0.3338, 0.3500



28.5080, 0.3846, 0.2868



19.0905, 0.3376, 0.3537



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.



45.8925, 0.3942, 0.4017



66.9996, 0.4151, 0.4163



58.7269, 0.3674, 0.4406



13.0542, 0.3275, 0.3439



19.0645, 0.4995, 0.4416



1.2132, 0.4811, 0.4562

Inverse Universe

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



30.2060, 0.2389, 0.2425



39.3344, 0.2222, 0.2194



22.0179, 0.2405, 0.1963



12.1020, 0.2982, 0.3137



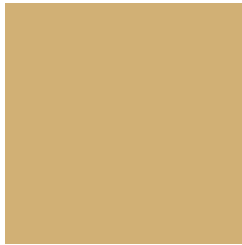
6.1108, 0.1655, 0.1158



0.4903, 0.1759, 0.1533

Previews

White Background



This preview shows how the Yxy color 45.8903, 0.3942, 0.4017 looks on a white background.

Color Contrast Check

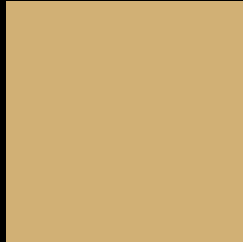
Large Text (above 18pt) WCAG AA × Fail

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 45.8903, 0.3942, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

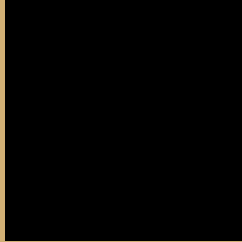
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8903, 0.3942, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 45.8903, 0.3942, 0.4017.



This preview shows how white text looks on a background with the Yxy color 45.8903, 0.3942, 0.4017.

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

45.8903, 0.3942, 0.4017

Protanopia

46.1154, 0.3777, 0.4087

Deuteranopia

45.9469, 0.4026, 0.3950



Tritanopia

45.7885, 0.3449, 0.3135

Trichromacy



Original Color

45.8903, 0.3942, 0.4017

Protanomaly

45.9657, 0.3842, 0.4062

Deuteranomaly

45.8763, 0.3992, 0.3969

Tritanomaly

45.7406, 0.3634, 0.3451

Monochromacy



Original Color

45.8903, 0.3942, 0.4017

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.1882, 0.3418, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8903, 0.3942, 0.4017 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, 176, 117)` looks like.

```
.text, #text, p{  
    color:rgb(209, 176, 117)  
}
```

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, 176, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 176, 117) }
```

Border

The CSS property to change the border of an element to Yxy 45.8903, 0.3942, 0.4017 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, 176, 117) }
```

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

```
.border{ border-color:rgb(209, 176, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 176, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 176, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 176, 117);  
box-shadow:4px 4px 4px 4px rgb(209, 176,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8903, 0.3942, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 176, 117) }
```

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

```
.background{ background-color: rgb(209,  
176, 117) }
```

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