

Converting Colors

$Y_{xy}(48.9143, 0.4252, 0.3818)$

Have a look what the booklet for
Yxy(48.9143, 0.4252, 0.3818)
contains.

| | |
|---|----|
| Yxy(49.0072, 0.4249, 0.3825) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(49.0072, 0.4249, 0.3825)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | F2AA79 |
| RGB | 242, 170, 121 |
| RGB Percent | 95%, 67%, 47% |
| CMY | 0.0510, 0.3333, 0.5255 |
| CMYK | 0.00, 0.30, 0.50, 0.05 |
| HSL | 24°, 82%, 71% |
| HSV | 24°, 50%, 95% |
| XYZ | 54.4396, 49.0072, 24.6766 |
| YIQ | 185.9420, 58.6410, 0.0250 |

Conversions

Conversions Part 2

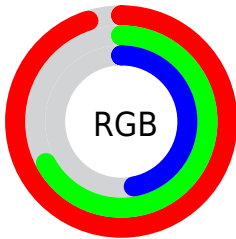
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 242, 203, 121 |
| Decimal | 15903353 |
| CIE Lab | 75.46, 21.03, 35.74 |
| CIE LCh | 75, 41.472, 59.529 |
| Yxy | 49.0072, 0.4249, 0.3825 |
| Android (android.graphics.Color) | 4294093433 (0xFFFF2AA79) |
| YUV | 185.9420, -32.0164, 49.1629 |
| Hunter-Lab | 70.0051, 16.3019, 28.1041 |

Details

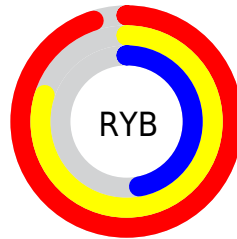
The Yxy color **49.0072, 0.4249, 0.3825** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **48.5983, 0.2352, 0.2660**, and the grayscale version is **49.2277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1664, 0.3696, 0.3811**, and **23.4791, 0.4548, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **43.3834, 0.4560, 0.3911**, and if you desaturate by 10%, it is **55.3757, 0.3963, 0.3722**.

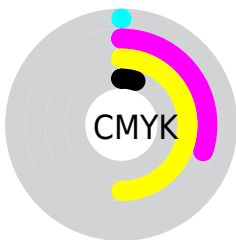
Distribution



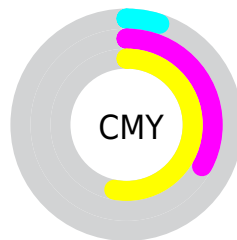
- Red (95%)
- Green (67%)
- Blue (47%)



- Red (95%)
- Yellow (80%)
- Blue (47%)



- Cyan (0%)
- Magenta (30%)
- Yellow (50%)
- Black (5%)



- Cyan (5%)
- Magenta (33%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0072, 0.4249, 0.3825 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 49.0072, 0.4249, 0.3825 by changing the saturation by 10% instead.

 49.0072, 0.4249,
0.3825


 49.0072, 0.4249,
0.3825


382.7707, 0.3694,
0.3590

 34.6252, 0.4382,
0.3872


 88.7021, 0.4051,
0.3748

 23.3743, 0.4547,
0.3924


 114.7839, 0.3975,
0.3717

 14.8701, 0.4758,
0.3981


 145.5343, 0.3911,
0.3689

 8.7283, 0.5031,
0.4034

181.3378, 0.3856,
0.3664

 4.5644, 0.5413,
0.4079

222.5788, 0.3807,
0.3642

 1.9940, 0.5943,
0.4057

269.6417, 0.3765,

 0.6040, 0.6481,

0.3623

0.3519

322.9108, 0.3728,
0.3605

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.0072, 0.4249,
0.3825

49.0072, 0.4249,
0.3825

43.3834, 0.4560,
0.3911

55.3757, 0.3963,
0.3722

38.4666, 0.4883,
0.3966


62.5099, 0.3708,
0.3611


34.2265, 0.5198,
0.3978


70.4387, 0.3485,
0.3499


30.6264, 0.5479,
0.3937

79.1874, 0.3292,
0.3392

 27.6180, 0.5710,
0.3848

 88.7800, 0.3127,
0.3290

 27.6178, 0.5710,
0.3848

 97.6145, 0.3047,
0.3290

Harmonies

Analogous

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



49.0072, 0.4184, 0.3385



49.0072, 0.4249, 0.3825



49.0072, 0.3989, 0.4186

Triad

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



49.0072, 0.4249, 0.3825



49.0072, 0.2465, 0.3620



49.0072, 0.2680, 0.2423

Complementary

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



49.0072, 0.4249, 0.3825



48.5983, 0.2352, 0.2660

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.



49.0072, 0.2289, 0.2414



49.0072, 0.4249, 0.3825



49.0072, 0.2171, 0.3047

Square

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



49.0072, 0.4249, 0.3825



49.0072, 0.2949, 0.4127



49.0072, 0.2113, 0.2620



49.0072, 0.3230, 0.2619

Rectangle

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



49.0072, 0.4249, 0.3825



49.0072, 0.3685, 0.4316



49.0072, 0.2113, 0.2620



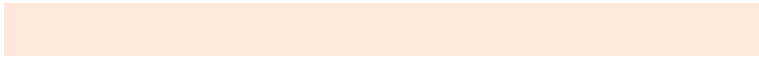
49.0072, 0.2528, 0.2398

Sweetspot

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



49.0096, 0.4249, 0.3825



84.1093, 0.3386, 0.3445



36.4242, 0.3675, 0.2519



17.5617, 0.3427, 0.3468



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.



49.0096, 0.4249, 0.3825



48.7665, 0.4565, 0.3912



76.7847, 0.3917, 0.4402



16.8102, 0.3283, 0.3386



15.0905, 0.5681, 0.3871



1.4457, 0.5442, 0.4061

Inverse Universe

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



48.5983, 0.2352, 0.2660



48.1894, 0.2214, 0.2504



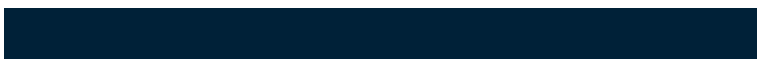
27.2748, 0.2196, 0.1854



16.7922, 0.2980, 0.3192



14.4266, 0.1863, 0.1906



1.3949, 0.1919, 0.2107

Previews

White Background



This preview shows how the Yxy color 49.0072, 0.4249, 0.3825 looks on a white background.

Color Contrast Check

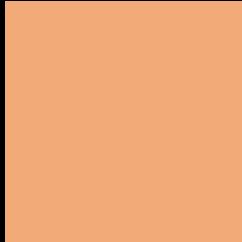
Large Text (above 18pt) WCAG AA × Fail

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 49.0072, 0.4249, 0.3825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

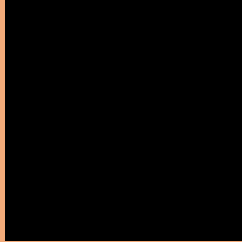
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0072, 0.4249, 0.3825

Background



This preview shows how black text looks on a background with the Yxy color 49.0072, 0.4249, 0.3825.



This preview shows how white text looks on a background with the Yxy color 49.0072, 0.4249, 0.3825.

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

49.0072, 0.4249, 0.3825

Protanopia

49.0938, 0.3729, 0.4020

Deuteranopia

49.0200, 0.4055, 0.3976



Tritanopia

49.0637, 0.3815, 0.3162

Trichromacy



Original Color

49.0072, 0.4249, 0.3825

Protanomaly

48.7221, 0.3920, 0.3951

Deuteranomaly

49.0049, 0.4128, 0.3915

Tritanomaly

49.0515, 0.3980, 0.3413

Monochromacy



Original Color

49.0072, 0.4249, 0.3825

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.3730, 0.3509, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0072, 0.4249, 0.3825 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(242, 170, 121)` looks like.

```
.text, #text, p{  
    color:rgb(242, 170, 121)  
}
```

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(242, 170, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 170, 121) }
```

Border

The CSS property to change the border of an element to Yxy 49.0072, 0.4249, 0.3825 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(242, 170, 121) }
```

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

```
.border{ border-color:rgb(242, 170, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 170, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 170, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 170, 121);  
box-shadow:4px 4px 4px 4px rgb(242, 170,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0072, 0.4249, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 170, 121) }
```

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

```
.background{ background-color: rgb(242,  
170, 121) }
```

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