

Converting Colors

$Y_{xy}(49.7318, 0.4141, 0.3674)$

Have a look what the booklet for
Yxy(49.7318, 0.4141, 0.3674)
contains.

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Color

Yxy(49.7318, 0.4141, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	F4AA87
RGB	244, 170, 135
RGB Percent	96%, 67%, 53%
CMY	0.0432, 0.3333, 0.4705
CMYK	0.00, 0.30, 0.45, 0.04
HSL	19°, 83%, 74%
HSV	19°, 45%, 96%
XYZ	56.0532, 49.7318, 29.5765
YIQ	188.1360, 55.3390, 4.8030

Conversions

Conversions Part 2

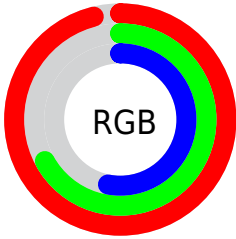
Format	Color
RYB	244, 187, 135
Decimal	16034439
CIELab	75.90, 23.16, 28.93
CIElCh	76, 37.058, 51.320
Yxy	49.7318, 0.4141, 0.3674
Android (android.graphics.Color)	4294224519 (0xFFFF4AA87)
YUV	188.1360, -26.1960, 48.9927
Hunter-Lab	70.5208, 18.4687, 24.4983

Details

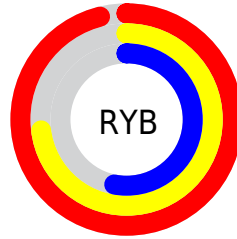
The Yxy color **49.7318, 0.4141, 0.3674** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **57.2839, 0.2451, 0.2858**, and the grayscale version is **50.5012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3268, 0.3588, 0.3667**, and **23.6927, 0.4418, 0.3737** is the 20% darker color. If you saturate the color by 10%, you get **43.2991, 0.4470, 0.3749**, and if you desaturate by 10%, it is **57.1094, 0.3850, 0.3588**.

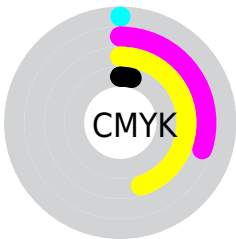
Distribution



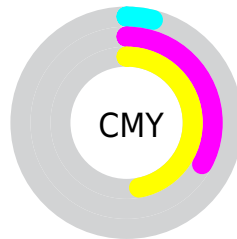
- Red (96%)
- Green (67%)
- Blue (53%)



- Red (96%)
- Yellow (73%)
- Blue (53%)



- Cyan (0%)
- Magenta (30%)
- Yellow (45%)
- Black (4%)





- Cyan (4%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7318, 0.4141, 0.3674 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 49.7318, 0.4141, 0.3674 by changing the saturation by 10% instead.


 49.7318, 0.4141,
0.3674


 49.7318, 0.4141,
0.3674


385.6162, 0.3637,
0.3507


 35.2003, 0.4264,
0.3707


 89.7774, 0.3960,
0.3619

 23.8172, 0.4418,
0.3745


 116.0603, 0.3891,
0.3597

 15.1981, 0.4618,
0.3785


 147.0291, 0.3833,
0.3577

 8.9585, 0.4885,
0.3825

183.0683, 0.3783,
0.3560

 4.7141, 0.5251,
0.3847

224.5622, 0.3739,
0.3544

 2.0805, 0.6026,
0.3974

271.8952, 0.3701,

 0.6536, 0.6541,

0.3531

325.4517, 0.3667,
0.3518

0.3459

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.7318, 0.4141,
0.3674

49.7318, 0.4141,
0.3674

43.2991, 0.4470,
0.3749

57.1094, 0.3850,
0.3588

37.7640, 0.4826,
0.3803

65.4618, 0.3598,
0.3498

33.0860, 0.5190,
0.3822

74.8268, 0.3383,
0.3410

29.2178, 0.5531,
0.3796

85.2377, 0.3202,
0.3327

■ 26.1066, 0.5814,
0.3720

■ 96.5955, 0.3060,
0.3269

■ 24.7273, 0.5939,
0.3667

■ 97.9700, 0.3060,
0.3290

Harmonies

Analogous

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



49.7318, 0.3997, 0.3273



49.7318, 0.4141, 0.3674



49.7318, 0.3987, 0.4022

Triad

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



49.7318, 0.4141, 0.3674



49.7318, 0.2643, 0.3720



49.7318, 0.2615, 0.2489

Complementary

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



49.7318, 0.4141, 0.3674



57.2839, 0.2451, 0.2858

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.



49.7318, 0.2310, 0.2536



49.7318, 0.4141, 0.3674



49.7318, 0.2322, 0.3211

Square

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



49.7318, 0.4141, 0.3674



49.7318, 0.3109, 0.4107



49.7318, 0.2207, 0.2782



49.7318, 0.3079, 0.2622

Rectangle

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



49.7318, 0.4141, 0.3674



49.7318, 0.3750, 0.4171



49.7318, 0.2207, 0.2782



49.7318, 0.2493, 0.2483

Sweetspot

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



49.7342, 0.4141, 0.3674



84.5177, 0.3352, 0.3396



41.1931, 0.3502, 0.2507



17.5700, 0.3395, 0.3415



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.



49.7342, 0.4141, 0.3674



48.2213, 0.4451, 0.3746



74.2954, 0.3876, 0.4214



17.3511, 0.3286, 0.3367



13.6657, 0.5910, 0.3689



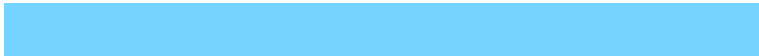
1.3792, 0.5667, 0.3883

Inverse Universe

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



57.2839, 0.2451, 0.2858



57.5049, 0.2325, 0.2747



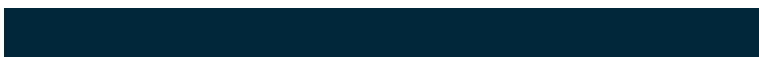
35.1277, 0.2327, 0.2148



17.8082, 0.2980, 0.3212



18.5703, 0.1946, 0.2205



1.8175, 0.1988, 0.2357

Previews

White Background



This preview shows how the Yxy color 49.7318, 0.4141, 0.3674 looks on a white background.

Color Contrast Check

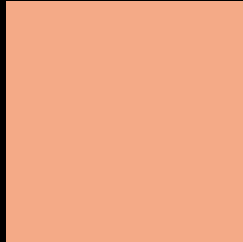
Large Text (above 18pt) WCAG AA × Fail

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 49.7318, 0.4141, 0.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

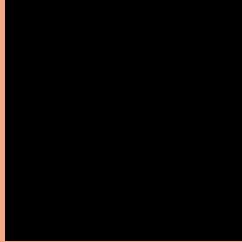
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7318, 0.4141, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 49.7318, 0.4141, 0.3674.



This preview shows how white text looks on a background with the Yxy color 49.7318, 0.4141, 0.3674.

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

49.7318, 0.4141, 0.3674

Protanopia

49.8032, 0.3594, 0.3846

Deuteranopia

50.0239, 0.3917, 0.3843



Tritanopia

49.6817, 0.3801, 0.3152

Trichromacy



Original Color

49.7318, 0.4141, 0.3674

Protanomaly

49.5401, 0.3788, 0.3785

Deuteranomaly

49.7608, 0.4001, 0.3772

Tritanomaly

49.6552, 0.3931, 0.3336

Monochromacy



Original Color

49.7318, 0.4141, 0.3674

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.3222, 0.3464, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7318, 0.4141, 0.3674 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(244, 170, 135)` looks like.

```
.text, #text, p{  
    color:rgb(244, 170, 135)  
}
```

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(244, 170, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 170, 135) }
```

Border

The CSS property to change the border of an element to Yxy 49.7318, 0.4141, 0.3674 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(244, 170, 135) }
```

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

```
.border{ border-color:rgb(244, 170, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 170, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 170, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 170, 135);  
box-shadow:4px 4px 4px 4px rgb(244, 170,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7318, 0.4141, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 170, 135) }
```

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

```
.background{ background-color: rgb(244,  
170, 135) }
```

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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