

Converting Colors

$Y_{xy}(49.1257, 0.4343, 0.3794)$

Have a look what the booklet for
Yxy(49.1257, 0.4343, 0.3794)
contains.

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Color

Yxy(49.1091, 0.4348, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	F9A777
RGB	249, 167, 119
RGB Percent	98%, 65%, 47%
CMY	0.0235, 0.3451, 0.5333
CMYK	0.00, 0.33, 0.52, 0.02
HSL	22°, 92%, 72%
HSV	22°, 52%, 98%
XYZ	56.2207, 49.1091, 23.9727
YIQ	186.0460, 64.2800, 2.4560

Conversions

Conversions Part 2

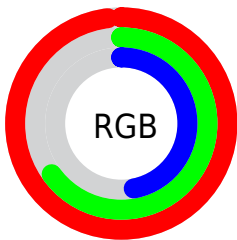
Format	Color
R _Y B	249, 195, 119
Decimal	16361335
CIE Lab	75.52, 25.24, 37.02
CIE LCh	76, 44.808, 55.720
Yxy	49.1091, 0.4348, 0.3798
Android (android.graphics.Color)	4294551415 (0xFFFF9A777)
YUV	186.0460, -33.0537, 55.2107
Hunter-Lab	70.0779, 20.5673, 28.7722

Details

The Yxy color **49.1091, 0.4348, 0.3798** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.5532, 0.2332, 0.2688**, and the grayscale version is **49.2938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4811, 0.3719, 0.3802**, and **23.5100, 0.4669, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **43.1786, 0.4679, 0.3869**, and if you desaturate by 10%, it is **55.9006, 0.4043, 0.3707**.

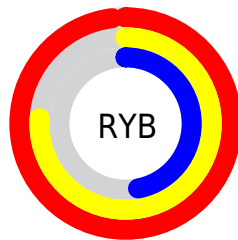
Distribution



Red (98%)

Green (65%)

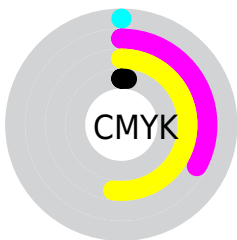
Blue (47%)



Red (98%)

Yellow (76%)

Blue (47%)

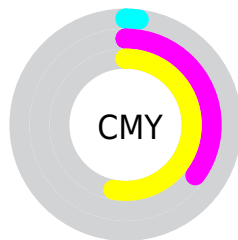


Cyan (0%)

Magenta (33%)

Yellow (52%)

Black (2%)



Cyan (2%)


Magenta (35%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1091, 0.4348, 0.3798 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 49.1091, 0.4348, 0.3798 by changing the saturation by 10% instead.


 49.1091, 0.4348,
0.3798


 49.1091, 0.4348,
0.3798


383.1717, 0.3745,
0.3582


 34.7060, 0.4492,
0.3838


 88.8535, 0.4133,
0.3729

 23.4365, 0.4671,
0.3881


 114.9636, 0.4051,
0.3701

 14.9162, 0.4898,
0.3923


 145.7448, 0.3981,
0.3675

 8.7606, 0.5191,
0.3955

181.5815, 0.3920,
0.3652

 4.5853, 0.5607,
0.3971

222.8582, 0.3868,
0.3632

 2.0061, 0.6131,
0.3869

269.9592, 0.3822,

 0.6110, 0.6715,

0.3614

0.3285

323.2689, 0.3781,
0.3597

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.1091, 0.4348,
0.3798

49.1091, 0.4348,
0.3798

43.1786, 0.4679,
0.3869

55.9006, 0.4043,
0.3707

38.0642, 0.5021,
0.3908


63.5805, 0.3772,
0.3606


33.7275, 0.5348,
0.3901


72.1841, 0.3537,
0.3504

30.1230, 0.5632,
0.3842

81.7423, 0.3334,
0.3404

 27.7815, 0.5814,
0.3766

 92.2844, 0.3162,
0.3310

 98.8829, 0.3090,
0.3290

Harmonies

Analogous

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



49.1091, 0.4234, 0.3326



49.1091, 0.4348, 0.3798



49.1091, 0.4103, 0.4209

Triad

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



49.1091, 0.4348, 0.3798



49.1091, 0.2469, 0.3726



49.1091, 0.2581, 0.2350

Complementary

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



49.1091, 0.4348, 0.3798



52.5532, 0.2332, 0.2688

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.



49.1091, 0.2192, 0.2366



49.1091, 0.4348, 0.3798



49.1091, 0.2128, 0.3095

Square

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



49.1091, 0.4348, 0.3798



49.1091, 0.3006, 0.4250



49.1091, 0.2036, 0.2612



49.1091, 0.3155, 0.2536

Rectangle

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



49.1091, 0.4348, 0.3798



49.1091, 0.3790, 0.4380



49.1091, 0.2036, 0.2612



49.1091, 0.2427, 0.2332

Sweetspot

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



49.1115, 0.4348, 0.3798



82.3072, 0.3408, 0.3442



37.5736, 0.3663, 0.2446



17.1714, 0.3449, 0.3462



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.



49.1115, 0.4348, 0.3798



45.0683, 0.4709, 0.3874



79.0105, 0.3973, 0.4411



18.2744, 0.3285, 0.3378



15.1168, 0.5785, 0.3789



1.5950, 0.5560, 0.3968

Inverse Universe

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



52.5532, 0.2332, 0.2688



48.9656, 0.2194, 0.2535



28.4702, 0.2160, 0.1832



18.4685, 0.2980, 0.3200



16.8674, 0.1898, 0.2032



1.7648, 0.1944, 0.2199

Previews

White Background



This preview shows how the Yxy color 49.1091, 0.4348, 0.3798 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 49.1091, 0.4348, 0.3798 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 49.1091, 0.4348, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 49.1091, 0.4348, 0.3798.



This preview shows how white text looks on a background with the Yxy color 49.1091, 0.4348, 0.3798.

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

49.1091, 0.4348, 0.3798

Protanopia

49.2067, 0.3746, 0.4029

Deuteranopia

49.1327, 0.4080, 0.3995



Tritanopia

49.0028, 0.3909, 0.3165

Trichromacy



Original Color

49.1091, 0.4348, 0.3798

Protanomaly

48.7555, 0.3961, 0.3944

Deuteranomaly

49.0725, 0.4178, 0.3918

Tritanomaly

49.1897, 0.4077, 0.3399

Monochromacy



Original Color

49.1091, 0.4348, 0.3798

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.4041, 0.3539, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1091, 0.4348, 0.3798 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(249, 167, 119)` looks like.

```
.text, #text, p{  
    color:rgb(249, 167, 119)  
}
```

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(249, 167, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 167, 119) }
```

Border

The CSS property to change the border of an element to Yxy 49.1091, 0.4348, 0.3798 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(249, 167, 119) }
```

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

```
.border{ border-color:rgb(249, 167, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 167, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 167, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 167, 119);  
box-shadow:4px 4px 4px 4px rgb(249, 167,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1091, 0.4348, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 167, 119) }
```

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

```
.background{ background-color: rgb(249,  
167, 119) }
```

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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