

Converting Colors

$Y_{xy}(49.8618, 0.4420, 0.3904)$

Have a look what the booklet for
Yxy(49.8618, 0.4420, 0.3904)
contains.

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Color

Yxy(49.8257, 0.4421, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	FAA96E
RGB	250, 169, 110
RGB Percent	98%, 66%, 43%
CMY	0.0194, 0.3373, 0.5686
CMYK	0.00, 0.32, 0.56, 0.02
HSL	25°, 93%, 71%
HSV	25°, 56%, 98%
XYZ	56.4385, 49.8257, 21.3958
YIQ	186.4930, 67.2150, -1.1770

Conversions

Conversions Part 2

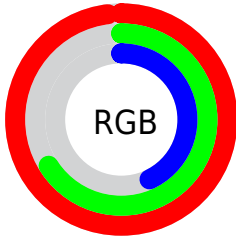
Format	Color
R _Y B	250, 212, 110
Decimal	16427374
CIE Lab	75.96, 23.87, 42.28
CIE LCh	76, 48.553, 60.553
Yxy	49.8257, 0.4421, 0.3903
Android (android.graphics.Color)	4294617454 (0xFFFAA96E)
YUV	186.4930, -37.7110, 55.6956
Hunter-Lab	70.5873, 19.1929, 31.4397

Details

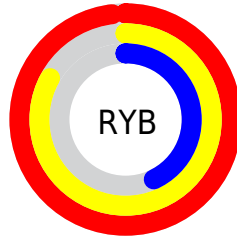
The Yxy color **49.8257, 0.4421, 0.3903** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.5098, 0.2261, 0.2537**, and the grayscale version is **49.5834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2157, 0.3775, 0.3913**, and **23.9960, 0.4750, 0.4012** is the 20% darker color. If you saturate the color by 10%, you get **44.2683, 0.4735, 0.3976**, and if you desaturate by 10%, it is **56.1378, 0.4124, 0.3805**.

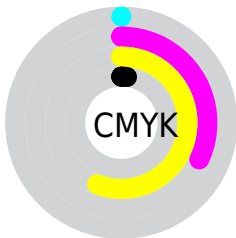
Distribution



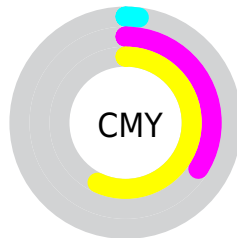
- Red (98%)
- Green (66%)
- Blue (43%)



- Red (98%)
- Yellow (83%)
- Blue (43%)



- Cyan (0%)
- Magenta (32%)
- Yellow (56%)
- Black (2%)




- Cyan (2%)
- Magenta (34%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8257, 0.4421, 0.3903 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 49.8257, 0.4421, 0.3903 by changing the saturation by 10% instead.

 49.8257, 0.4421,
0.3903


 49.8257, 0.4421,
0.3903


385.9839, 0.3788,
0.3643


 35.2749, 0.4569,
0.3951


 89.9166, 0.4198,
0.3821

 23.8747, 0.4750,
0.4001


 116.2255, 0.4111,
0.3786

 15.2407, 0.4977,
0.4050


 147.2225, 0.4038,
0.3755

 8.9885, 0.5260,
0.4085

 183.2921, 0.3974,
0.3728

 4.7337, 0.5708,
0.4140

224.8187, 0.3919,
0.3703

 2.0919, 0.6055,
0.3945

272.1865, 0.3870,

 0.6600, 0.6574,

0.3681

0.3426

325.7802, 0.3827,
0.3661

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.8257, 0.4421,
0.3903

49.8257, 0.4421,
0.3903

44.2683, 0.4735,
0.3976

56.1378, 0.4124,
0.3805

39.4255, 0.5048,
0.4009

63.2274, 0.3853,
0.3694

35.2639, 0.5338,
0.3993

71.1252, 0.3613,
0.3577

31.7427, 0.5581,
0.3921

79.8578, 0.3404,
0.3463

■ 30.4983, 0.5667,
0.3882

■ 89.4506, 0.3223,
0.3353

■ 99.0719, 0.3097,
0.3290

Harmonies

Analogous

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



49.8257, 0.4368, 0.3402



49.8257, 0.4421, 0.3903



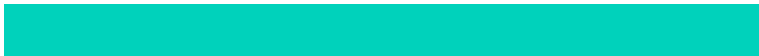
49.8257, 0.4099, 0.4328

Triad

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



49.8257, 0.4421, 0.3903



49.8257, 0.2343, 0.3649



49.8257, 0.2627, 0.2306

Complementary

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



49.8257, 0.4421, 0.3903



47.5098, 0.2261, 0.2537

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.



49.8257, 0.2178, 0.2283



49.8257, 0.4421, 0.3903



49.8257, 0.2024, 0.2975

Square

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



49.8257, 0.4421, 0.3903



49.8257, 0.2890, 0.4264



49.8257, 0.1971, 0.2499



49.8257, 0.3264, 0.2534

Rectangle

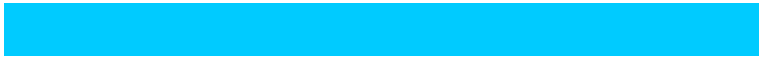
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.8257, 0.4421, 0.3903



49.8257, 0.3739, 0.4488



49.8257, 0.1971, 0.2499



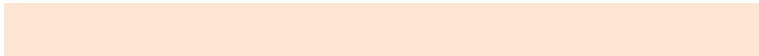
49.8257, 0.2452, 0.2274

Sweetspot

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



49.8282, 0.4421, 0.3903



82.5380, 0.3424, 0.3474



35.2774, 0.3800, 0.2460



17.2621, 0.3464, 0.3497



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.



49.8282, 0.4421, 0.3903



45.7151, 0.4768, 0.3981



82.8244, 0.3993, 0.4534



18.4266, 0.3283, 0.3390



16.4411, 0.5639, 0.3905



1.7273, 0.5427, 0.4073

Inverse Universe

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



47.5098, 0.2261, 0.2537



42.9968, 0.2118, 0.2356



24.0599, 0.2066, 0.1624



18.3120, 0.2980, 0.3188



14.6466, 0.1846, 0.1847



1.5663, 0.1899, 0.2035

Previews

White Background



This preview shows how the Yxy color 49.8257, 0.4421, 0.3903 looks on a white background.

Color Contrast Check

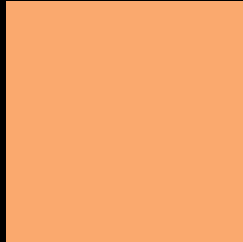
Large Text (above 18pt) WCAG AA × Fail

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 49.8257, 0.4421, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

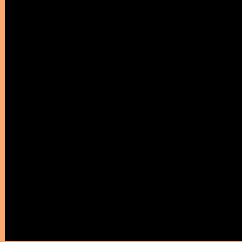
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8257, 0.4421, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 49.8257, 0.4421, 0.3903.



This preview shows how white text looks on a background with the Yxy color 49.8257, 0.4421, 0.3903.

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

49.8257, 0.4421, 0.3903

Protanopia

50.2299, 0.3842, 0.4162

Deuteranopia

49.9809, 0.4183, 0.4088



Tritanopia

49.7669, 0.3914, 0.3166

Trichromacy



Original Color

49.8257, 0.4421, 0.3903

Protanomaly

49.6348, 0.4050, 0.4071

Deuteranomaly

49.7686, 0.4273, 0.4012

Tritanomaly

49.6356, 0.4111, 0.3441

Monochromacy



Original Color

49.8257, 0.4421, 0.3903

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.6664, 0.3571, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8257, 0.4421, 0.3903 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(250, 169, 110)` looks like.

```
.text, #text, p{  
    color:rgb(250, 169, 110)  
}
```

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(250, 169, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 169, 110) }
```

Border

The CSS property to change the border of an element to Yxy 49.8257, 0.4421, 0.3903 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(250, 169, 110) }
```

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

```
.border{ border-color:rgb(250, 169, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 169, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 169, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 169, 110);  
box-shadow:4px 4px 4px 4px rgb(250, 169,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8257, 0.4421, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 169, 110) }
```

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

```
.background{ background-color: rgb(250,  
169, 110) }
```

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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