

Converting Colors

$Y_{xy}(49.5301, 0.4371, 0.3860)$

Have a look what the booklet for
Yxy(49.5301, 0.4371, 0.3860)
contains.

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Color

Yxy(49.7535, 0.4370, 0.3858)

Conversions

Conversions Part 1

Format	Color
Hex	F9A973
RGB	249, 169, 115
RGB Percent	98%, 66%, 45%
CMY	0.0234, 0.3373, 0.5490
CMYK	0.00, 0.32, 0.54, 0.02
HSL	24°, 92%, 71%
HSV	24°, 54%, 98%
XYZ	56.3563, 49.7535, 22.8520
YIQ	186.7640, 65.0140, 0.1660

Conversions

Conversions Part 2

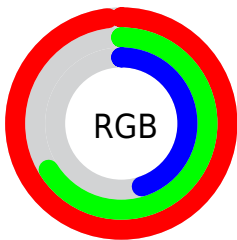
Format	Color
R_{YB}	249, 205, 115
Decimal	16361843
CIE Lab	75.92, 23.86, 39.62
CIE LCh	76, 46.251, 58.949
Yxy	49.7535, 0.4370, 0.3858
Android (android.graphics.Color)	4294551923 (0xFFFF9A973)
YUV	186.7640, -35.3797, 54.5810
Hunter-Lab	70.5362, 19.1780, 30.1668

Details

The Yxy color **49.7535, 0.4370, 0.3858** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.5305, 0.2298, 0.2605**, and the grayscale version is **49.7314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9376, 0.3737, 0.3872**, and **23.9231, 0.4689, 0.3964** is the 20% darker color. If you saturate the color by 10%, you get **44.0364, 0.4689, 0.3933**, and if you desaturate by 10%, it is **56.2597, 0.4072, 0.3761**.

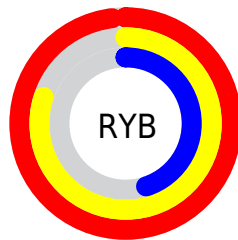
Distribution



Red (98%)

Green (66%)

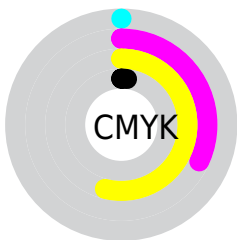
Blue (45%)



Red (98%)

Yellow (80%)

Blue (45%)

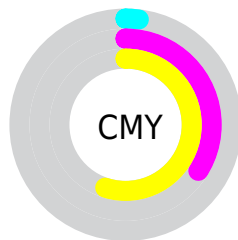


Cyan (0%)

Magenta (32%)

Yellow (54%)

Black (2%)



Cyan (2%)


Magenta (34%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7535, 0.4370, 0.3858 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 49.7535, 0.4370, 0.3858 by changing the saturation by 10% instead.


 49.7535, 0.4370,
0.3858


 49.7535, 0.4370,
0.3858


385.7012, 0.3760,
0.3615

 35.2176, 0.4514,
0.3903


 89.8095, 0.4153,
0.3781

 23.8305, 0.4692,
0.3952


 116.0985, 0.4070,
0.3748

 15.2080, 0.4916,
0.4001


 147.0738, 0.3999,
0.3720

 8.9655, 0.5201,
0.4038

183.1200, 0.3938,
0.3694

 4.7187, 0.5619,
0.4075

224.6215, 0.3885,
0.3671

 2.0832, 0.6056,
0.3944

271.9625, 0.3838,

 0.6551, 0.6579,

0.3651

0.3421

325.5277, 0.3797,
0.3632

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.7535, 0.4370,
0.3858

49.7535, 0.4370,
0.3858

44.0364, 0.4689,
0.3933

56.2597, 0.4072,
0.3761

39.0671, 0.5014,
0.3972

63.5788, 0.3804,
0.3652

34.8112, 0.5320,
0.3964

71.7427, 0.3568,
0.3541

31.2271, 0.5582,
0.3901

80.7793, 0.3363,
0.3432

■ 29.3210, 0.5719,
0.3841

■ 90.7149, 0.3187,
0.3328

■ 98.8845, 0.3090,
0.3290

Harmonies

Analogous

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



49.7535, 0.4296, 0.3376



49.7535, 0.4370, 0.3858



49.7535, 0.4082, 0.4267

Triad

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



49.7535, 0.4370, 0.3858



49.7535, 0.2402, 0.3668



49.7535, 0.2622, 0.2339

Complementary

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



49.7535, 0.4370, 0.3858



49.5305, 0.2298, 0.2605

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.



49.7535, 0.2201, 0.2330



49.7535, 0.4370, 0.3858



49.7535, 0.2081, 0.3024

Square

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



49.7535, 0.4370, 0.3858



49.7535, 0.2936, 0.4237



49.7535, 0.2015, 0.2554



49.7535, 0.3225, 0.2549

Rectangle

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



49.7535, 0.4370, 0.3858



49.7535, 0.3746, 0.4426



49.7535, 0.2015, 0.2554



49.7535, 0.2457, 0.2312

Sweetspot

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



49.7560, 0.4370, 0.3858



83.0740, 0.3406, 0.3455



36.3649, 0.3737, 0.2466



17.3532, 0.3447, 0.3478



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.



49.7560, 0.4370, 0.3858



45.7706, 0.4730, 0.3940



81.1567, 0.3974, 0.4476



18.3730, 0.3284, 0.3386



15.9522, 0.5691, 0.3863



1.6791, 0.5473, 0.4036

Inverse Universe

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



49.5305, 0.2298, 0.2605



45.4191, 0.2152, 0.2430



26.0295, 0.2116, 0.1724



18.3669, 0.2980, 0.3192



15.4000, 0.1864, 0.1911



1.6341, 0.1915, 0.2093

Previews

White Background



This preview shows how the Yxy color 49.7535, 0.4370, 0.3858 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 49.7535, 0.4370, 0.3858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

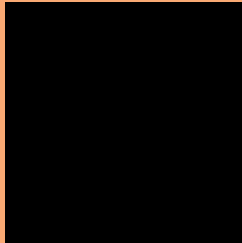
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7535, 0.4370, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 49.7535, 0.4370, 0.3858.



This preview shows how white text looks on a background with the Yxy color 49.7535, 0.4370, 0.3858.

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

49.7535, 0.4370, 0.3858

Protanopia

49.7832, 0.3800, 0.4096

Deuteranopia

49.7633, 0.4125, 0.4043



Tritanopia

49.9675, 0.3892, 0.3165

Trichromacy



Original Color

49.7535, 0.4370, 0.3858

Protanomaly

49.1901, 0.4007, 0.4009

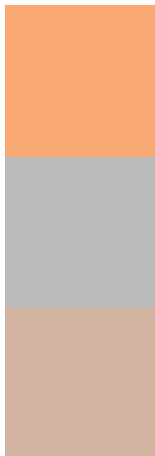
Deuteranomaly

49.5370, 0.4215, 0.3967

Tritanomaly

49.9056, 0.4068, 0.3421

Monochromacy



Original Color

49.7535, 0.4370, 0.3858

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.9174, 0.3554, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7535, 0.4370, 0.3858 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, 169, 115)` looks like.

```
.text, #text, p{  
    color:rgb(249, 169, 115)  
}
```

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, 169, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 169, 115) }
```

Border

The CSS property to change the border of an element to Yxy 49.7535, 0.4370, 0.3858 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, 169, 115) }
```

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

```
.border{ border-color:rgb(249, 169, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 169, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 169, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 169, 115);  
box-shadow:4px 4px 4px 4px rgb(249, 169,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7535, 0.4370, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 169, 115) }
```

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

```
.background{ background-color: rgb(249,  
169, 115) }
```

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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