

Converting Colors

$Y_{xy}(49.7835, 0.4544, 0.3940)$

Have a look what the booklet for
Yxy(49.7835, 0.4544, 0.3940)
contains.

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Color

Yxy(49.8567, 0.4543, 0.3942)

Conversions

Conversions Part 1

Format	Color
Hex	FFA766
RGB	255, 167, 102
RGB Percent	100%, 65%, 40%
CMY	0.0000, 0.3451, 0.6001
CMYK	0.00, 0.35, 0.60, 0.00
HSL	25°, 100%, 70%
HSV	25°, 60%, 100%
XYZ	57.4579, 49.8567, 19.1611
YIQ	185.9020, 73.3130, -1.5590

Conversions

Conversions Part 2

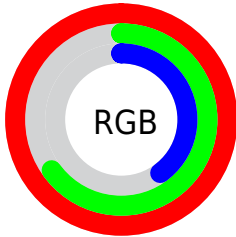
Format	Color
R _Y B	255, 215, 102
Decimal	16754534
CIE Lab	75.98, 26.30, 46.51
CIE LCh	76, 53.433, 60.512
Yxy	49.8567, 0.4543, 0.3942
Android (android.graphics.Color)	4294944614 (0xFFFFA766)
YUV	185.9020, -41.3637, 60.5989
Hunter-Lab	70.6093, 21.6871, 33.3371

Details

The Yxy color **49.8567, 0.4543, 0.3942** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.8625, 0.2204, 0.2463**, and the grayscale version is **49.2503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8356, 0.3845, 0.3983**, and **23.9787, 0.4888, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **44.3557, 0.4857, 0.4001**, and if you desaturate by 10%, it is **56.1256, 0.4239, 0.3852**.

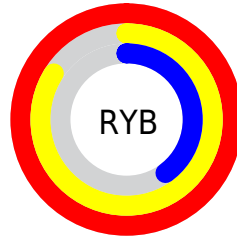
Distribution



Red (100%)

Green (65%)

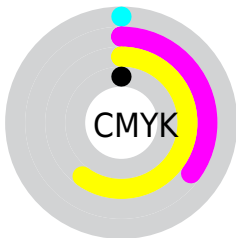
Blue (40%)



Red (100%)

Yellow (84%)

Blue (40%)

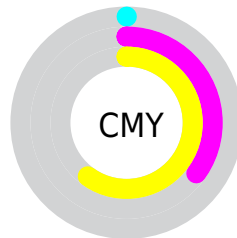


Cyan (0%)

Magenta (35%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8567, 0.4543, 0.3942 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 49.8567, 0.4543, 0.3942 by changing the saturation by 10% instead.

 49.8567, 0.4543,
0.3942

 49.8567, 0.4543,
0.3942


386.1053, 0.3855,
0.3674

 35.2995, 0.4701,
0.3988


 89.9625, 0.4302,
0.3860


 23.8937, 0.4893,
0.4033


 116.2800, 0.4208,
0.3824

 15.2548, 0.5129,
0.4072


 147.2863, 0.4128,
0.3792

 8.9984, 0.5419,
0.4086

 183.3660, 0.4059,
0.3764

 4.7401, 0.5882,
0.4118

224.9033, 0.3998,
0.3738

 2.0956, 0.6161,
0.3839

272.2827, 0.3944,

 0.6622, 0.6707,

0.3714

0.3293

325.8886, 0.3897,
0.3693

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.8567, 0.4543,
0.3942

49.8567, 0.4543,
0.3942

44.3557, 0.4857,
0.4001

56.1256, 0.4239,
0.3852

39.5830, 0.5163,
0.4016

63.1901, 0.3958,
0.3743

35.5011, 0.5435,
0.3978

71.0816, 0.3706,
0.3627

32.0602, 0.5658,
0.3889

79.8284, 0.3484,
0.3510

 89.4573, 0.3293,
0.3397

99.9938, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



49.8567, 0.4492, 0.3399



49.8567, 0.4543, 0.3942



49.8567, 0.4182, 0.4416

Triad

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



49.8567, 0.4543, 0.3942



49.8567, 0.2268, 0.3684



49.8567, 0.2577, 0.2223

Complementary

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



49.8567, 0.4543, 0.3942



46.8625, 0.2204, 0.2463

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.



49.8567, 0.2094, 0.2195



49.8567, 0.4543, 0.3942



49.8567, 0.1928, 0.2937

Square

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



49.8567, 0.4543, 0.3942



49.8567, 0.2860, 0.4375



49.8567, 0.1874, 0.2422



49.8567, 0.3273, 0.2468

Rectangle

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



49.8567, 0.4543, 0.3942



49.8567, 0.3786, 0.4606



49.8567, 0.1874, 0.2422



49.8567, 0.2388, 0.2188

Sweetspot

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



49.8582, 0.4543, 0.3942



81.6881, 0.3444, 0.3487



34.5323, 0.3872, 0.2413



16.9096, 0.3503, 0.3521



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.



49.8582, 0.4543, 0.3942



43.3468, 0.4920, 0.4008



85.8715, 0.4046, 0.4604



19.2559, 0.3284, 0.3391



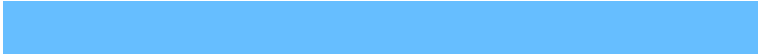
17.0333, 0.5630, 0.3912



1.8696, 0.5428, 0.4072

Inverse Universe

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



46.8625, 0.2204, 0.2463



40.0128, 0.2058, 0.2263



22.2455, 0.1986, 0.1491



19.1126, 0.2979, 0.3186



14.9209, 0.1842, 0.1832



1.6695, 0.1893, 0.2013

Previews

White Background



This preview shows how the Yxy color 49.8567, 0.4543, 0.3942 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 49.8567, 0.4543, 0.3942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

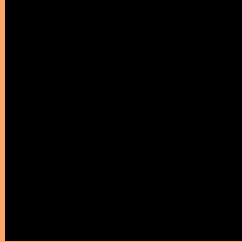
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8567, 0.4543, 0.3942

Background



This preview shows how black text looks on a background with the Yxy color 49.8567, 0.4543, 0.3942.



This preview shows how white text looks on a background with the Yxy color 49.8567, 0.4543, 0.3942.

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

49.8567, 0.4543, 0.3942

Protanopia

50.1924, 0.3911, 0.4250

Deuteranopia

49.9640, 0.4260, 0.4173



Tritanopia

49.7283, 0.3924, 0.3177

Trichromacy



Original Color

49.8567, 0.4543, 0.3942

Protanomaly

49.5304, 0.4146, 0.4135

Deuteranomaly

49.9308, 0.4361, 0.4091

Tritanomaly

49.5610, 0.4162, 0.3461

Monochromacy



Original Color

49.8567, 0.4543, 0.3942

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.4556, 0.3618, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8567, 0.4543, 0.3942 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(255, 167, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 102)  
}
```

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(255, 167, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 102) }
```

Border

The CSS property to change the border of an element to Yxy 49.8567, 0.4543, 0.3942 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(255, 167, 102) }
```

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

```
.border{ border-color:rgb(255, 167, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8567, 0.4543, 0.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 102) }
```

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

```
.background{ background-color: rgb(255,  
167, 102) }
```

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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