

Converting Colors

$Y_{xy}(54.3165, 0.4810, 0.4007)$

Have a look what the booklet for
Yxy(54.3165, 0.4810, 0.4007)
contains.

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Color

Yxy(49.9534, 0.4647, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	FFA857
RGB	255, 168, 87
RGB Percent	100%, 66%, 34%
CMY	0.0000, 0.3412, 0.6586
CMYK	0.00, 0.34, 0.66, 0.00
HSL	29°, 100%, 67%
HSV	29°, 66%, 100%
XYZ	56.9653, 49.9534, 15.6664
YIQ	184.7790, 77.8530, -6.7470

Conversions

Conversions Part 2

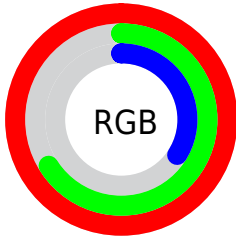
Format	Color
R _Y B	255, 243, 87
Decimal	16754775
CIE Lab	76.04, 24.83, 53.89
CIE LCh	76, 59.337, 65.258
Yxy	49.9534, 0.4647, 0.4075
Android (android.graphics.Color)	4294944855 (0xFFFFA857)
YUV	184.7790, -48.2050, 61.5838
Hunter-Lab	70.6777, 20.1825, 36.3322

Details

The Yxy color **49.9534, 0.4647, 0.4075** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **39.5382, 0.2098, 0.2234**, and the grayscale version is **48.6306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8994, 0.3940, 0.4137**, and **24.0815, 0.5000, 0.4181** is the 20% darker color. If you saturate the color by 10%, you get **44.9774, 0.4930, 0.4123**, and if you desaturate by 10%, it is **55.5762, 0.4360, 0.3988**.

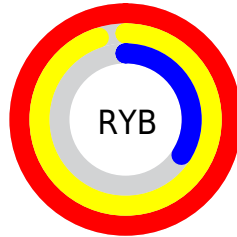
Distribution



Red (100%)

Green (66%)

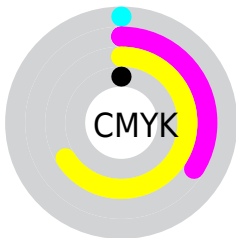
Blue (34%)



Red (100%)

Yellow (95%)

Blue (34%)

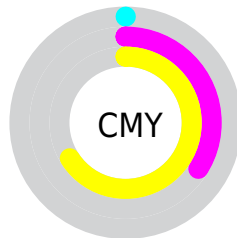


Cyan (0%)

Magenta (34%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (34%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9534, 0.4647, 0.4075 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 49.9534, 0.4647, 0.4075 by changing the saturation by 10% instead.

 49.9534, 0.4647,
0.4075

 49.9534, 0.4647,
0.4075


386.4837, 0.3920,
0.3756

 35.3764, 0.4808,
0.4126


 90.1058, 0.4396,
0.3979

 23.9529, 0.4999,
0.4176


 116.4500, 0.4298,
0.3937

 15.2987, 0.5227,
0.4213


 147.4854, 0.4213,
0.3899

 9.0293, 0.5504,
0.4226

 183.5963, 0.4139,
0.3865

 4.7603, 0.5829,
0.4171

225.1672, 0.4074,
0.3834

 2.1073, 0.6095,
0.3905

272.5825, 0.4016,

 0.6687, 0.6618,

0.3805

326.2265, 0.3965,
0.3779

0.3382

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.9534, 0.4647,
0.4075

49.9534, 0.4647,
0.4075

44.9774, 0.4930,
0.4123

55.5762, 0.4360,
0.3988

40.6108, 0.5190,
0.4119


61.8676, 0.4085,
0.3875


36.8202, 0.5409,
0.4059

68.8554, 0.3830,
0.3748

35.4044, 0.5490,
0.4023

76.5638, 0.3601,
0.3616

 85.0155, 0.3398,
0.3485

 94.2321, 0.3220,
0.3360

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.



49.9534, 0.4683, 0.3487



49.9534, 0.4647, 0.4075



49.9534, 0.4181, 0.4585

Triad

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



49.9534, 0.4647, 0.4075



49.9534, 0.2100, 0.3584



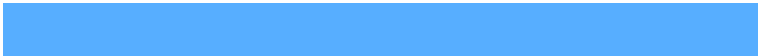
49.9534, 0.2626, 0.2155

Complementary

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



49.9534, 0.4647, 0.4075



39.5382, 0.2098, 0.2234

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.



49.9534, 0.2061, 0.2082



49.9534, 0.4647, 0.4075



49.9534, 0.1786, 0.2778

Square

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



49.9534, 0.4647, 0.4075



49.9534, 0.2706, 0.4411



49.9534, 0.1779, 0.2273



49.9534, 0.3416, 0.2453

Rectangle

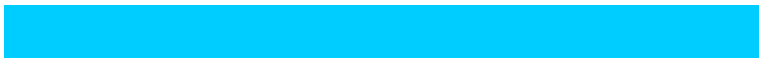
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9534, 0.4647, 0.4075



49.9534, 0.3722, 0.4772



49.9534, 0.1779, 0.2273



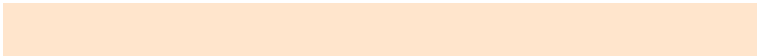
49.9534, 0.2407, 0.2104

Sweetspot

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



49.9555, 0.4647, 0.4075



81.4276, 0.3479, 0.3539



31.2436, 0.4091, 0.2432



16.9229, 0.3536, 0.3576



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.



49.9555, 0.4647, 0.4075



43.5434, 0.5015, 0.4127



89.9488, 0.4067, 0.4753



19.4320, 0.3282, 0.3405



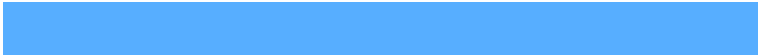
18.7952, 0.5463, 0.4044



2.0475, 0.5281, 0.4189

Inverse Universe

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



39.5382, 0.2098, 0.2234



32.4109, 0.1944, 0.1984



17.0155, 0.1856, 0.1221



18.9343, 0.2979, 0.3172



12.7086, 0.1787, 0.1634



1.4562, 0.1843, 0.1835

Previews

White Background



This preview shows how the Yxy color 49.9534, 0.4647, 0.4075 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 49.9534, 0.4647, 0.4075 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 49.9534, 0.4647, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 49.9534, 0.4647, 0.4075.



This preview shows how white text looks on a background with the Yxy color 49.9534, 0.4647, 0.4075.

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

49.9534, 0.4647, 0.4075

Protanopia

50.1666, 0.4041, 0.4410

Deuteranopia

50.2039, 0.4390, 0.4295



Tritanopia

50.0792, 0.3921, 0.3187

Trichromacy



Original Color

49.9534, 0.4647, 0.4075

Protanomaly

49.8106, 0.4258, 0.4287

Deuteranomaly

50.0166, 0.4486, 0.4214

Tritanomaly

49.7340, 0.4215, 0.3534

Monochromacy



Original Color

49.9534, 0.4647, 0.4075

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.1118, 0.3662, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9534, 0.4647, 0.4075 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, 168, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 87)  
}
```

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, 168, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 87) }
```

Border

The CSS property to change the border of an element to Yxy 49.9534, 0.4647, 0.4075 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, 168, 87) }
```

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

```
.border{ border-color:rgb(255, 168, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9534, 0.4647, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 87) }
```

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

```
.background{ background-color: rgb(255,  
168, 87) }
```

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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