

Converting Colors

$Y_{xy}(46.1559, 0.4740, 0.4127)$

Have a look what the booklet for
Yxy(46.1559, 0.4740, 0.4127)
contains.

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Color

Yxy(46.1239, 0.4747, 0.4127)

Conversions

Conversions Part 1

Format	Color
Hex	F9A14A
RGB	249, 161, 74
RGB Percent	98%, 63%, 29%
CMY	0.0235, 0.3686, 0.7098
CMYK	0.00, 0.35, 0.70, 0.02
HSL	30°, 94%, 63%
HSV	30°, 70%, 98%
XYZ	53.0531, 46.1239, 12.5843
YIQ	177.3940, 80.3750, -8.4010

Conversions

Conversions Part 2

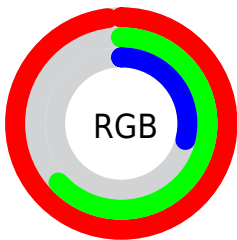
Format	Color
R _Y B	249, 247, 74
Decimal	16359754
CIE Lab	73.63, 25.36, 57.11
CIE LCh	74, 62.485, 66.053
Yxy	46.1239, 0.4747, 0.4127
Android (android.graphics.Color)	4294549834 (0xFFFF9A14A)
YUV	177.3940, -50.9732, 62.7985
Hunter-Lab	67.9146, 20.5890, 36.5540

Details

The Yxy color **46.1239, 0.4747, 0.4127** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **34.1446, 0.2034, 0.2114**, and the grayscale version is **44.4276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8781, 0.4059, 0.4194**, and **21.6757, 0.5120, 0.4216** is the 20% darker color. If you saturate the color by 10%, you get **41.6943, 0.5014, 0.4157**, and if you desaturate by 10%, it is **51.1294, 0.4467, 0.4052**.

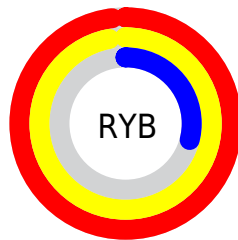
Distribution



Red (98%)

Green (63%)

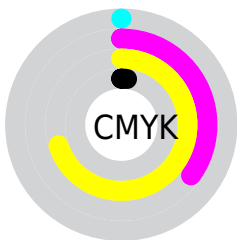
Blue (29%)



Red (98%)

Yellow (97%)

Blue (29%)

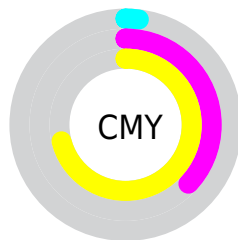


Cyan (0%)

Magenta (35%)

Yellow (70%)

Black (2%)



Cyan (2%)

Magenta (37%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1239, 0.4747, 0.4127 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 46.1239, 0.4747, 0.4127 by changing the saturation by 10% instead.


 46.1239, 0.4747,
0.4127


 46.1239, 0.4747,
0.4127


371.3065, 0.3969,
0.3791

 32.3436, 0.4917,
0.4177


 84.4044, 0.4480,
0.4029


 21.6241, 0.5117,
0.4221


 109.6734, 0.4374,
0.3985


 13.5809, 0.5350,
0.4244


 139.5407, 0.4283,
0.3945

 7.8298, 0.5690,
0.4277

 174.3908, 0.4204,
0.3908

 3.9862, 0.5901,
0.4099

 214.6080, 0.4134,
0.3874

 1.6659, 0.6207,
0.3793

260.5768, 0.4073,

 0.4014, 0.7158,

0.3844

0.2842

312.6815, 0.4018,
0.3816

■ 0.0000, 0.0000,
0.0000

■ 46.1239, 0.4747,
0.4127

■ 46.1239, 0.4747,
0.4127

■ 41.6943, 0.5014,
0.4157

■ 51.1294, 0.4467,
0.4052

■ 37.8040, 0.5251,
0.4132

■ 56.7300, 0.4192,
0.3946


■ 34.5038, 0.5443,
0.4060


■ 62.9522, 0.3932,
0.3820

■ 69.8182, 0.3695,
0.3685

■ 77.3491, 0.3482,
0.3550

 85.5646, 0.3295,
0.3418

 94.4836, 0.3131,
0.3293

 98.8834, 0.3090,
0.3290

Harmonies

Analogous

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



46.1239, 0.4812, 0.3501



46.1239, 0.4747, 0.4127



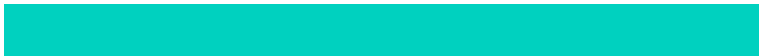
46.1239, 0.4227, 0.4683

Triad

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



46.1239, 0.4747, 0.4127



46.1239, 0.2009, 0.3577



46.1239, 0.2605, 0.2087

Complementary

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



46.1239, 0.4747, 0.4127



34.1446, 0.2034, 0.2114

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.



46.1239, 0.1999, 0.2000



46.1239, 0.4747, 0.4127



46.1239, 0.1692, 0.2710

Square

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



46.1239, 0.4747, 0.4127



46.1239, 0.2645, 0.4496



46.1239, 0.1696, 0.2187



46.1239, 0.3459, 0.2407

Rectangle

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



46.1239, 0.4747, 0.4127



46.1239, 0.3730, 0.4895



46.1239, 0.1696, 0.2187



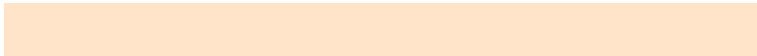
46.1239, 0.2370, 0.2030

Sweetspot

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



46.1263, 0.4747, 0.4127



81.0226, 0.3497, 0.3560



27.7364, 0.4229, 0.2430



16.8597, 0.3554, 0.3597



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.



46.1263, 0.4747, 0.4127



42.3712, 0.5109, 0.4154



86.6117, 0.4089, 0.4832



18.6505, 0.3281, 0.3408



18.7500, 0.5418, 0.4080



1.9485, 0.5233, 0.4227

Inverse Universe

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



34.1446, 0.2034, 0.2114



29.0328, 0.1883, 0.1846



13.5924, 0.1774, 0.1068



18.0857, 0.2980, 0.3169



11.8279, 0.1774, 0.1585



1.3076, 0.1833, 0.1800

Previews

White Background



This preview shows how the Yxy color 46.1239, 0.4747, 0.4127 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 46.1239, 0.4747, 0.4127 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 46.1239, 0.4747, 0.4127

Background



This preview shows how black text looks on a background with the Yxy color 46.1239, 0.4747, 0.4127.



This preview shows how white text looks on a background with the Yxy color 46.1239, 0.4747, 0.4127.

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

46.1239, 0.4747, 0.4127

Protanopia

46.4526, 0.4101, 0.4508

Deuteranopia

46.1287, 0.4468, 0.4362



Tritanopia

46.0376, 0.4052, 0.3167

Trichromacy



Original Color

46.1239, 0.4747, 0.4127

Protanomaly

45.7276, 0.4335, 0.4364

Deuteranomaly

45.9656, 0.4568, 0.4276

Tritanomaly

45.9640, 0.4344, 0.3545

Monochromacy



Original Color

46.1239, 0.4747, 0.4127

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.7158, 0.3704, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1239, 0.4747, 0.4127 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, 161, 74)` looks like.

```
.text, #text, p{  
    color:rgb(249, 161, 74)  
}
```

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, 161, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 161, 74) }
```

Border

The CSS property to change the border of an element to Yxy 46.1239, 0.4747, 0.4127 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, 161, 74) }
```

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

```
.border{ border-color:rgb(249, 161, 74) }
```

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

Here you see how a box with a 4 pixel rgb(249, 161, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 161, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 161, 74);  
box-shadow:4px 4px 4px 4px rgb(249, 161,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1239, 0.4747, 0.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 161, 74) }
```

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

```
.background{ background-color: rgb(249,  
161, 74) }
```

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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