

Converting Colors

$Y_{xy}(46.4611, 0.4377, 0.3735)$

Have a look what the booklet for
Yxy(46.4611, 0.4377, 0.3735)
contains.

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Color

Yxy(46.2477, 0.4375, 0.3729)

Conversions

Conversions Part 1

Format	Color
Hex	F7A077
RGB	247, 160, 119
RGB Percent	97%, 63%, 47%
CMY	0.0313, 0.3725, 0.5334
CMYK	0.00, 0.35, 0.52, 0.03
HSL	19°, 89%, 72%
HSV	19°, 52%, 97%
XYZ	54.2595, 46.2477, 23.5145
YIQ	181.3390, 65.0130, 5.6930

Conversions

Conversions Part 2

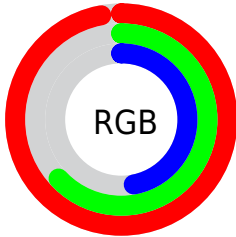
Format	Color
R _Y B	247, 179, 119
Decimal	16228471
CIE Lab	73.71, 28.11, 34.67
CIE LCh	74, 44.639, 50.963
Yxy	46.2477, 0.4375, 0.3729
Android (android.graphics.Color)	4294418551 (0xFF7A077)
YUV	181.3390, -30.7331, 57.5847
Hunter-Lab	68.0057, 23.4094, 27.1031

Details

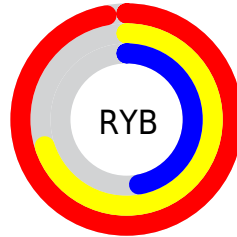
The Yxy color **46.2477, 0.4375, 0.3729** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.7736, 0.2354, 0.2775**, and the grayscale version is **46.5456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8394, 0.3742, 0.3734**, and **21.7321, 0.4708, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **40.2990, 0.4726, 0.3790**, and if you desaturate by 10%, it is **53.1411, 0.4056, 0.3650**.

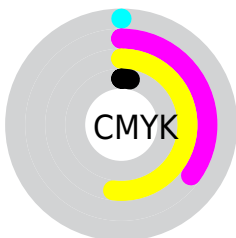
Distribution



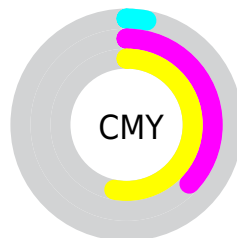
- Red (97%)
- Green (63%)
- Blue (47%)



- Red (97%)
- Yellow (70%)
- Blue (47%)



- Cyan (0%)
- Magenta (35%)
- Yellow (52%)
- Black (3%)




- Cyan (3%)
- Magenta (37%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2477, 0.4375, 0.3729 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 46.2477, 0.4375, 0.3729 by changing the saturation by 10% instead.


 46.2477, 0.4375,
0.3729


 46.2477, 0.4375,
0.3729


371.8036, 0.3750,
0.3546


 32.4413, 0.4527,
0.3761

 84.5896, 0.4150,
0.3672

 21.6988, 0.4717,
0.3795


 109.8939, 0.4065,
0.3648

 13.6358, 0.4961,
0.3824

 139.7996, 0.3993,
0.3626

 7.8678, 0.5280,
0.3838

174.6912, 0.3930,
0.3606

 4.0105, 0.5751,
0.3834

214.9530, 0.3876,
0.3589

 1.6794, 0.6329,
0.3671

260.9694, 0.3829,

 0.4103, 0.7281,

0.3573

0.2719

313.1248, 0.3787,
0.3559

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.2477, 0.4375,
0.3729

46.2477, 0.4375,
0.3729

40.2990, 0.4726,
0.3790

53.1411, 0.4056,
0.3650

35.2446, 0.5091,
0.3820


61.0126, 0.3775,
0.3562

31.0393, 0.5442,
0.3807


69.9024, 0.3534,
0.3473

27.6304, 0.5745,
0.3744

79.8465, 0.3329,
0.3386

 25.3880, 0.5942,
0.3664

 90.8787, 0.3156,
0.3304

 98.5154, 0.3078,
0.3290

Harmonies

Analogous

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



46.2477, 0.4199, 0.3250



46.2477, 0.4375, 0.3729



46.2477, 0.4178, 0.4165

Triad

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



46.2477, 0.4375, 0.3729



46.2477, 0.2534, 0.3834



46.2477, 0.2495, 0.2325

Complementary

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



46.2477, 0.4375, 0.3729



54.7736, 0.2354, 0.2775

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.



46.2477, 0.2137, 0.2375



46.2477, 0.4375, 0.3729



46.2477, 0.2152, 0.3188

Square

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



46.2477, 0.4375, 0.3729



46.2477, 0.3099, 0.4322



46.2477, 0.2018, 0.2663



46.2477, 0.3054, 0.2483

Rectangle

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



46.2477, 0.4375, 0.3729



46.2477, 0.3883, 0.4367



46.2477, 0.2018, 0.2663



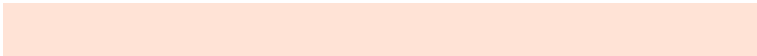
46.2477, 0.2351, 0.2317

Sweetspot

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



46.2500, 0.4375, 0.3729



81.2127, 0.3411, 0.3422



37.4445, 0.3587, 0.2392



16.9122, 0.3453, 0.3440



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.



46.2500, 0.4375, 0.3729



43.1620, 0.4735, 0.3791



74.1694, 0.4000, 0.4349



17.3492, 0.3286, 0.3366



13.6524, 0.5912, 0.3688



1.3779, 0.5668, 0.3881

Inverse Universe

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



54.7736, 0.2354, 0.2775



53.1053, 0.2229, 0.2652



30.1187, 0.2184, 0.1927



17.8101, 0.2980, 0.3212



18.6031, 0.1947, 0.2208



1.8202, 0.1989, 0.2359

Previews

White Background



This preview shows how the Yxy color 46.2477, 0.4375, 0.3729 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 46.2477, 0.4375, 0.3729 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 46.2477, 0.4375, 0.3729

Background



This preview shows how black text looks on a background with the Yxy color 46.2477, 0.4375, 0.3729.



This preview shows how white text looks on a background with the Yxy color 46.2477, 0.4375, 0.3729.

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

46.2477, 0.4375, 0.3729

Protanopia

46.3420, 0.3703, 0.3974

Deuteranopia

46.2082, 0.4062, 0.3968



Tritanopia

46.3370, 0.3983, 0.3175

Trichromacy



Original Color

46.2477, 0.4375, 0.3729

Protanomaly

45.8149, 0.3946, 0.3874

Deuteranomaly

45.9476, 0.4177, 0.3875

Tritanomaly

46.2390, 0.4140, 0.3379

Monochromacy



Original Color

46.2477, 0.4375, 0.3729

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.3349, 0.3553, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2477, 0.4375, 0.3729 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(247, 160, 119)` looks like.

```
.text, #text, p{  
    color:rgb(247, 160, 119)  
}
```

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(247, 160, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 160, 119) }
```

Border

The CSS property to change the border of an element to Yxy 46.2477, 0.4375, 0.3729 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(247, 160, 119) }
```

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

```
.border{ border-color:rgb(247, 160, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 160, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 160, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 160, 119);  
box-shadow:4px 4px 4px 4px rgb(247, 160,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2477, 0.4375, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 160, 119) }
```

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

```
.background{ background-color: rgb(247,  
160, 119) }
```

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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