

Converting Colors

$Y_{xy}(30.9424, 0.4768, 0.3900)$

Have a look what the booklet for
Yxy(30.9424, 0.4768, 0.3900)
contains.

Yxy(31.1139, 0.4766, 0.3899)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.1139, 0.4766, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	DA814B
RGB	218, 129, 75
RGB Percent	85%, 51%, 29%
CMY	0.1451, 0.4941, 0.7060
CMYK	0.00, 0.41, 0.66, 0.15
HSL	23°, 66%, 57%
HSV	23°, 66%, 85%
XYZ	38.0325, 31.1139, 10.6533
YIQ	149.4550, 70.3780, 2.0740

Conversions

Conversions Part 2

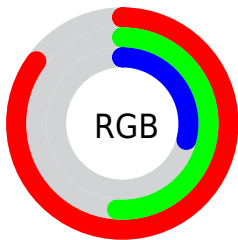
Format	Color
R _Y B	218, 162, 75
Decimal	14319947
CIE Lab	62.60, 29.64, 43.36
CIE LCh	63, 52.526, 55.648
Yxy	31.1139, 0.4766, 0.3899
Android (android.graphics.Color)	4292510027 (0xFFDA814B)
YUV	149.4550, -36.7063, 60.1140
Hunter-Lab	55.7798, 24.0925, 27.7222

Details

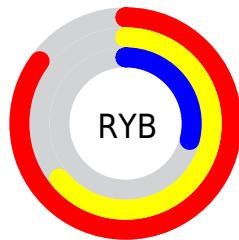
The Yxy color **31.1139, 0.4766, 0.3899** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **33.0954, 0.2165, 0.2486**, and the grayscale version is **30.3926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6076, 0.4251, 0.3889**, and **12.9402, 0.5233, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **27.5268, 0.5100, 0.3928**, and if you desaturate by 10%, it is **35.2808, 0.4436, 0.3834**.

Distribution



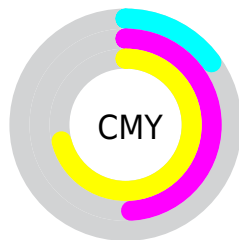
- Red (85%)
- Green (51%)
- Blue (29%)



- Red (85%)
- Yellow (64%)
- Blue (29%)



- Cyan (0%)
- Magenta (41%)
- Yellow (66%)
- Black (15%)





- Cyan (15%)
- Magenta (49%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1139, 0.4766, 0.3899 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 31.1139, 0.4766, 0.3899 by changing the saturation by 10% instead.


 31.1139, 0.4766,
0.3899


 31.1139, 0.4766,
0.3899


307.0627, 0.3908,
0.3647


 20.6856, 0.4979,
0.3933


 61.4194, 0.4452,
0.3826


 12.8944, 0.5244,
0.3955


 82.0653, 0.4334,
0.3793

 7.3559, 0.5575,
0.3944


 106.8859, 0.4234,
0.3762

 3.6856, 0.6085,
0.3915

 136.2656, 0.4149,
0.3734

 1.4993, 0.6446,
0.3554

 170.5887, 0.4076,
0.3709

 0.2882, 0.7775,
0.2225

210.2396, 0.4013,

 0.0000, 0.0000,

0.3686

0.0000

255.6029, 0.3957,
0.3665

■ 31.1139, 0.4766,
0.3899

■ 31.1139, 0.4766,
0.3899

■ 27.5268, 0.5100,
0.3928

■ 35.2808, 0.4436,
0.3834

■ 24.4853, 0.5412,
0.3908

■ 40.0496, 0.4128,
0.3746

■ 21.9576, 0.5675,
0.3836

■ 45.4470, 0.3851,
0.3646

■ 20.9936, 0.5777,
0.3795

■ 51.4962, 0.3607,
0.3542

■ 58.2195, 0.3397,
0.3440

■ 65.6377, 0.3216,
0.3342

■ 73.7710, 0.3063,
0.3251

■ 82.6384, 0.2931,
0.3166

■ 91.1724, 0.2904,
0.3250

Harmonies

Analogous

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



31.1139, 0.4637, 0.3295



31.1139, 0.4766, 0.3899



31.1139, 0.4403, 0.4473

Triad

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



31.1139, 0.4766, 0.3899



31.1139, 0.2235, 0.3891



31.1139, 0.2391, 0.2070

Complementary

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



31.1139, 0.4766, 0.3899



33.0954, 0.2165, 0.2486

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.



31.1139, 0.1903, 0.2075



31.1139, 0.4766, 0.3899



31.1139, 0.1812, 0.2995

Square

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



31.1139, 0.4766, 0.3899



31.1139, 0.2932, 0.4652



31.1139, 0.1709, 0.2366



31.1139, 0.3147, 0.2307

Rectangle

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



31.1139, 0.4766, 0.3899



31.1139, 0.3974, 0.4752



31.1139, 0.1709, 0.2366



31.1139, 0.2196, 0.2043

Sweetspot

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



31.1155, 0.4766, 0.3899



78.5379, 0.3489, 0.3486



22.6710, 0.3859, 0.2286



16.2342, 0.3549, 0.3515



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.



31.1155, 0.4766, 0.3899



37.3960, 0.5231, 0.3926



56.2264, 0.4158, 0.4622



13.8536, 0.3282, 0.3379



12.7692, 0.5750, 0.3816



0.9901, 0.5444, 0.4059

Inverse Universe

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



33.0954, 0.2165, 0.2486



40.1897, 0.2022, 0.2279



14.5704, 0.1913, 0.1425



13.9600, 0.2982, 0.3200



13.7348, 0.1891, 0.2009



1.0538, 0.1956, 0.2241

Previews

White Background



This preview shows how the Yxy color 31.1139, 0.4766, 0.3899 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 31.1139, 0.4766, 0.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

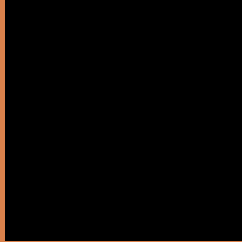
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1139, 0.4766, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 31.1139, 0.4766, 0.3899.



This preview shows how white text looks on a background with the Yxy color 31.1139, 0.4766, 0.3899.

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

31.1139, 0.4766, 0.3899

Protanopia

31.2965, 0.3950, 0.4303

Deuteranopia

31.3971, 0.4340, 0.4258



Tritanopia

30.9299, 0.4210, 0.3186

Trichromacy



Original Color

31.1139, 0.4766, 0.3899

Protanomaly

30.9648, 0.4249, 0.4155

Deuteranomaly

31.0752, 0.4505, 0.4123

Tritanomaly

31.0306, 0.4429, 0.3460

Monochromacy



Original Color

31.1139, 0.4766, 0.3899

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.7498, 0.3695, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1139, 0.4766, 0.3899 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(218, 129, 75)` looks like.

```
.text, #text, p{  
    color:rgb(218, 129, 75)  
}
```

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(218, 129, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 129, 75) }
```

Border

The CSS property to change the border of an element to Yxy 31.1139, 0.4766, 0.3899 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(218, 129, 75) }
```

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

```
.border{ border-color:rgb(218, 129, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 129, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 129, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 129, 75);  
box-shadow:4px 4px 4px 4px rgb(218, 129,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1139, 0.4766, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 129, 75) }
```

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

```
.background{ background-color: rgb(218,  
129, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor