

Converting Colors

$Yxy(32.4134, 0.4824, 0.3902)$

Have a look what the booklet for
Yxy(32.4134, 0.4824, 0.3902)
contains.

Yxy(32.3070, 0.4822, 0.3898)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.3070, 0.4822, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	E0824A
RGB	224, 130, 74
RGB Percent	88%, 51%, 29%
CMY	0.1215, 0.4902, 0.7098
CMYK	0.00, 0.42, 0.67, 0.12
HSL	22°, 71%, 58%
HSV	22°, 67%, 88%
XYZ	39.9652, 32.3070, 10.6088
YIQ	151.7220, 74.0000, 2.5120

Conversions

Conversions Part 2

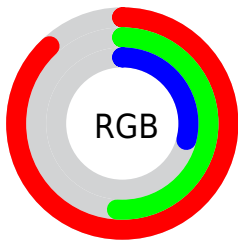
Format	Color
RYB	224, 163, 74
Decimal	14713418
CIELab	63.60, 31.50, 45.20
CIElCh	64, 55.097, 55.129
Yxy	32.3070, 0.4822, 0.3898
Android (android.graphics.Color)	4292903498 (0xFFE0824A)
YUV	151.7220, -38.3169, 63.3878
Hunter-Lab	56.8392, 26.0395, 28.7213

Details

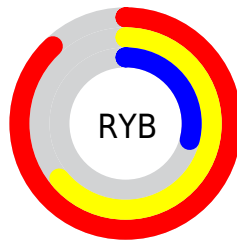
The Yxy color **32.3070, 0.4822, 0.3898** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **34.8593, 0.2151, 0.2475**, and the grayscale version is **31.4183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0216, 0.4245, 0.3899**, and **13.5547, 0.5313, 0.3939** is the 20% darker color. If you saturate the color by 10%, you get **28.5747, 0.5157, 0.3919**, and if you desaturate by 10%, it is **36.6600, 0.4488, 0.3839**.

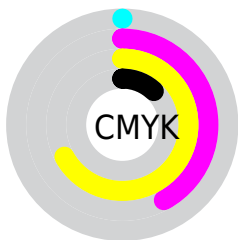
Distribution



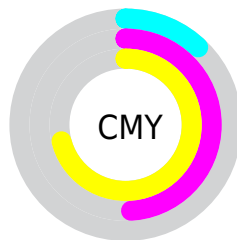
- Red (88%)
- Green (51%)
- Blue (29%)



- Red (88%)
- Yellow (64%)
- Blue (29%)



- Cyan (0%)
- Magenta (42%)
- Yellow (67%)
- Black (12%)





- Cyan (12%)
- Magenta (49%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3070, 0.4822, 0.3898 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 32.3070, 0.4822, 0.3898 by changing the saturation by 10% instead.

 32.3070, 0.4822,
0.3898


 32.3070, 0.4822,
0.3898


312.5154, 0.3942,
0.3654


 21.5961, 0.5037,
0.3928


 63.2921, 0.4502,
0.3830


 13.5604, 0.5303,
0.3943


 84.3350, 0.4381,
0.3798


 7.8156, 0.5631,
0.3923


 109.5908, 0.4279,
0.3768

 3.9772, 0.6124,
0.3876

 139.4437, 0.4192,
0.3741

 1.6608, 0.6482,
0.3518

 174.2782, 0.4116,
0.3716

 0.3981, 0.7487,
0.2513

214.4788, 0.4051,

 0.0000, 1.0000,

0.3693

0.0000

260.4297, 0.3993,
0.3673

0.0000, 0.0000,
0.0000

32.3070, 0.4822,
0.3898

32.3070, 0.4822,
0.3898

28.5747, 0.5157,
0.3919

36.6600, 0.4488,
0.3839

25.4254, 0.5466,
0.3891

41.6581, 0.4173,
0.3754

22.8234, 0.5722,
0.3811

47.3306, 0.3890,
0.3657

22.1305, 0.5792,
0.3783

53.7030, 0.3640,
0.3554

60.7995, 0.3424,
0.3452

■ 68.6430, 0.3240,
0.3354

■ 77.2554, 0.3082,
0.3263

■ 86.6577, 0.2948,
0.3179

■ 94.5913, 0.2941,
0.3289

Harmonies

Analogous

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



32.3070, 0.4683, 0.3279



32.3070, 0.4822, 0.3898



32.3070, 0.4449, 0.4494

Triad

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



32.3070, 0.4822, 0.3898



32.3070, 0.2214, 0.3930



32.3070, 0.2355, 0.2033

Complementary

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



32.3070, 0.4822, 0.3898



34.8593, 0.2151, 0.2475

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.



32.3070, 0.1861, 0.2041



32.3070, 0.4822, 0.3898



32.3070, 0.1777, 0.2995

Square

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



32.3070, 0.4822, 0.3898



32.3070, 0.2934, 0.4717



32.3070, 0.1667, 0.2342



32.3070, 0.3130, 0.2272

Rectangle

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



32.3070, 0.4822, 0.3898



32.3070, 0.4007, 0.4794



32.3070, 0.1667, 0.2342



32.3070, 0.2157, 0.2006

Sweetspot

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



32.3087, 0.4822, 0.3898



78.4124, 0.3489, 0.3484



23.6149, 0.3883, 0.2272



16.2044, 0.3550, 0.3513



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.



32.3087, 0.4822, 0.3898



36.7114, 0.5273, 0.3915



59.5423, 0.4177, 0.4642



14.5343, 0.3283, 0.3378



13.0813, 0.5765, 0.3805



1.0746, 0.5474, 0.4035

Inverse Universe

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



34.8593, 0.2151, 0.2475



40.1119, 0.2016, 0.2278



14.8462, 0.1888, 0.1381



14.6677, 0.2981, 0.3200



14.3467, 0.1896, 0.2024



1.1645, 0.1956, 0.2240

Previews

White Background



This preview shows how the Yxy color 32.3070, 0.4822, 0.3898 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 32.3070, 0.4822, 0.3898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

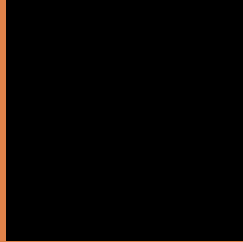
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3070, 0.4822, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 32.3070, 0.4822, 0.3898.



This preview shows how white text looks on a background with the Yxy color 32.3070, 0.4822, 0.3898.

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

32.3070, 0.4822, 0.3898

Protanopia

32.5979, 0.3970, 0.4339

Deuteranopia

32.3860, 0.4362, 0.4277



Tritanopia

32.3258, 0.4266, 0.3189

Trichromacy



Original Color

32.3070, 0.4822, 0.3898

Protanomaly

32.0694, 0.4285, 0.4173

Deuteranomaly

32.2012, 0.4536, 0.4139

Tritanomaly

32.4003, 0.4493, 0.3466

Monochromacy



Original Color

32.3070, 0.4822, 0.3898

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.8667, 0.3710, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3070, 0.4822, 0.3898 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(224, 130, 74)` looks like.

```
.text, #text, p{  
    color:rgb(224, 130, 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(224, 130, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 130, 74) }
```

Border

The CSS property to change the border of an element to Yxy 32.3070, 0.4822, 0.3898 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(224, 130, 74) }
```

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

```
.border{ border-color:rgb(224, 130, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 130, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 130, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 130, 74);  
box-shadow:4px 4px 4px 4px rgb(224, 130,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3070, 0.4822, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 130, 74) }
```

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

```
.background{ background-color: rgb(224,  
130, 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](#).

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