

Converting Colors

$Y_{xy}(32.2285, 0.4700, 0.3915)$

Have a look what the booklet for
Yxy(32.2285, 0.4700, 0.3915)
contains.

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Color

Yxy(32.2305, 0.4700, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	DA854E
RGB	218, 133, 78
RGB Percent	85%, 52%, 31%
CMY	0.1450, 0.4785, 0.6941
CMYK	0.00, 0.39, 0.64, 0.14
HSL	24°, 65%, 58%
HSV	24°, 64%, 86%
XYZ	38.6832, 32.2305, 11.3910
YIQ	152.1450, 68.3150, 0.9150

Conversions

Conversions Part 2

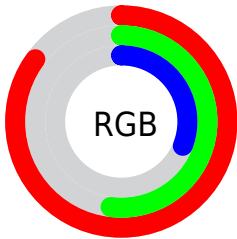
Format	Color
R _{YB}	218, 169, 78
Decimal	14320974
CIE _{Lab}	63.53, 27.72, 42.89
CIE _{LCh}	64, 51.067, 57.121
Yxy	32.2305, 0.4700, 0.3916
Android (android.graphics.Color)	4292511054 (0xFFDA854E)
YUV	152.1450, -36.5535, 57.7548
Hunter-Lab	56.7719, 22.2753, 27.8441

Details

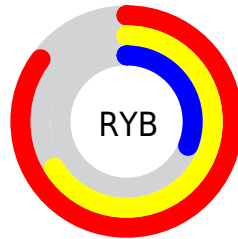
The Yxy color **32.2305, 0.4700, 0.3916** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **32.8954, 0.2174, 0.2474**, and the grayscale version is **31.6049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3856, 0.4196, 0.3890**, and **13.5494, 0.5141, 0.3997** is the 20% darker color. If you saturate the color by 10%, you get **28.5697, 0.5027, 0.3953**, and if you desaturate by 10%, it is **36.4554, 0.4379, 0.3844**.

Distribution



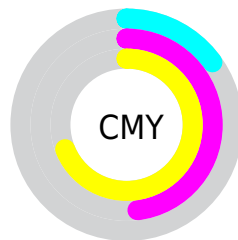
- Red (85%)
- Green (52%)
- Blue (31%)



- Red (85%)
- Yellow (66%)
- Blue (31%)



- Cyan (0%)
- Magenta (39%)
- Yellow (64%)
- Black (14%)





- Cyan (15%)
- Magenta (48%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2305, 0.4700, 0.3916 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 32.2305, 0.4700, 0.3916 by changing the saturation by 10% instead.


 32.2305, 0.4700,
0.3916


 32.2305, 0.4700,
0.3916


312.1679, 0.3880,
0.3651


 21.5376, 0.4903,
0.3956


 63.1723, 0.4400,
0.3837


 13.5175, 0.5156,
0.3987


 84.1899, 0.4288,
0.3801


 7.7859, 0.5472,
0.3992


 109.4180, 0.4193,
0.3769

 3.9582, 0.5990,
0.4010

 139.2408, 0.4111,
0.3740

 1.6502, 0.6319,
0.3681

 174.0429, 0.4041,
0.3714

 0.3911, 0.7316,
0.2684

214.2084, 0.3981,

 0.0000, 0.0000,

0.3691

0.0000

260.1220, 0.3927,
0.3670

■ 32.2305, 0.4700,
0.3916

■ 32.2305, 0.4700,
0.3916

■ 28.5697, 0.5027,
0.3953

■ 36.4554, 0.4379,
0.3844

■ 25.4403, 0.5337,
0.3944

■ 41.2647, 0.4079,
0.3750

■ 22.8131, 0.5602,
0.3881

■ 46.6835, 0.3810,
0.3645

■ 21.5039, 0.5735,
0.3828

■ 52.7340, 0.3574,
0.3537

■ 59.4369, 0.3369,
0.3431

■ 66.8121, 0.3194,
0.3331

■ 74.8785, 0.3043,
0.3237

■ 83.6541, 0.2915,
0.3150

■ 91.8550, 0.2905,
0.3261

Harmonies

Analogous

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



32.2305, 0.4597, 0.3329



32.2305, 0.4700, 0.3916



32.2305, 0.4336, 0.4461

Triad

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



32.2305, 0.4700, 0.3916



32.2305, 0.2242, 0.3824



32.2305, 0.2448, 0.2115

Complementary

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



32.2305, 0.4700, 0.3916



32.8954, 0.2174, 0.2474

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.



32.2305, 0.1960, 0.2109



32.2305, 0.4700, 0.3916



32.2305, 0.1844, 0.2973

Square

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



32.2305, 0.4700, 0.3916



32.2305, 0.2907, 0.4567



32.2305, 0.1757, 0.2380



32.2305, 0.3189, 0.2355

Rectangle

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



32.2305, 0.4700, 0.3916



32.2305, 0.3916, 0.4713



32.2305, 0.1757, 0.2380



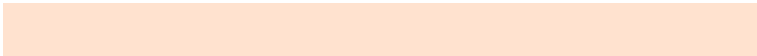
32.2305, 0.2254, 0.2085

Sweetspot

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



32.2322, 0.4700, 0.3916



79.9045, 0.3467, 0.3483



23.0531, 0.3871, 0.2325



16.5207, 0.3527, 0.3514



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.



32.2322, 0.4700, 0.3916



39.1097, 0.5137, 0.3956



57.5582, 0.4124, 0.4622



13.8860, 0.3282, 0.3382



13.0747, 0.5709, 0.3849



1.0119, 0.5409, 0.4088

Inverse Universe

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



32.8954, 0.2174, 0.2474



39.9408, 0.2029, 0.2268



14.7501, 0.1931, 0.1436



13.9266, 0.2982, 0.3196



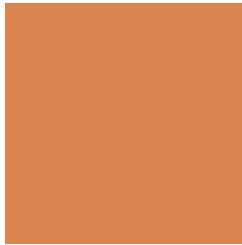
13.1997, 0.1877, 0.1956



1.0212, 0.1944, 0.2197

Previews

White Background



This preview shows how the Yxy color 32.2305, 0.4700, 0.3916 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 32.2305, 0.4700, 0.3916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

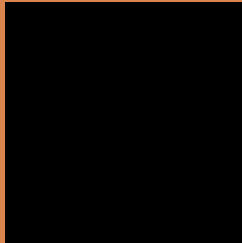
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2305, 0.4700, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 32.2305, 0.4700, 0.3916.



This preview shows how white text looks on a background with the Yxy color 32.2305, 0.4700, 0.3916.

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

32.2305, 0.4700, 0.3916

Protanopia

32.3131, 0.3951, 0.4289

Deuteranopia

32.3226, 0.4310, 0.4230



Tritanopia

32.2006, 0.4151, 0.3186

Trichromacy



Original Color

32.2305, 0.4700, 0.3916

Protanomaly

31.7318, 0.4225, 0.4152

Deuteranomaly

32.1472, 0.4452, 0.4113

Tritanomaly

32.2876, 0.4377, 0.3472

Monochromacy



Original Color

32.2305, 0.4700, 0.3916

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.9616, 0.3673, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2305, 0.4700, 0.3916 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, 133, 78)` looks like.

```
.text, #text, p{  
    color:rgb(218, 133, 78)  
}
```

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, 133, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 133, 78) }
```

Border

The CSS property to change the border of an element to Yxy 32.2305, 0.4700, 0.3916 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, 133, 78) }
```

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

```
.border{ border-color:rgb(218, 133, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 133, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 133, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 133, 78);  
box-shadow:4px 4px 4px 4px rgb(218, 133,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2305, 0.4700, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 133, 78) }
```

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

```
.background{ background-color: rgb(218,  
133, 78) }
```

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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