

Converting Colors

$Y_{xy}(32.9377, 0.4822, 0.3817)$

Have a look what the booklet for
Yxy(32.9377, 0.4822, 0.3817)
contains.

Yxy(32.9377, 0.4822, 0.3817)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9377, 0.4822, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	E58150
RGB	229, 129, 80
RGB Percent	90%, 51%, 31%
CMY	0.1020, 0.4941, 0.6865
CMYK	0.00, 0.44, 0.65, 0.10
HSL	20°, 74%, 61%
HSV	20°, 65%, 90%
XYZ	41.6101, 32.9377, 11.7444
YIQ	153.3140, 75.3290, 5.9610

Conversions

Conversions Part 2

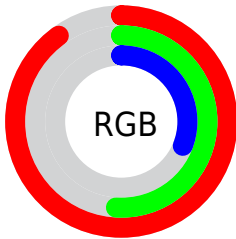
Format	Color
RYB	229, 153, 80
Decimal	15040848
CIELab	64.11, 34.35, 42.92
CIELCh	64, 54.973, 51.326
Yxy	32.9377, 0.4822, 0.3817
Android (android.graphics.Color)	4293230928 (0xFFE58150)
YUV	153.3140, -36.1438, 66.3766
Hunter-Lab	57.3914, 28.9817, 28.0411

Details

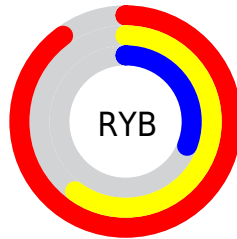
The Yxy color **32.9377, 0.4822, 0.3817** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.9802, 0.2195, 0.2599**, and the grayscale version is **32.1347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7657, 0.4202, 0.3831**, and **13.8779, 0.5308, 0.3850** is the 20% darker color. If you saturate the color by 10%, you get **28.9089, 0.5181, 0.3837**, and if you desaturate by 10%, it is **37.6937, 0.4470, 0.3762**.

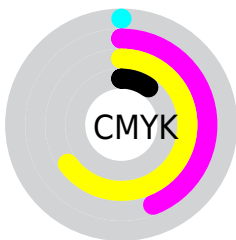
Distribution



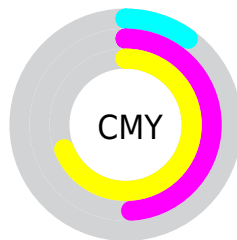
- Red (90%)
- Green (51%)
- Blue (31%)



- Red (90%)
- Yellow (60%)
- Blue (31%)



- Cyan (0%)
- Magenta (44%)
- Yellow (65%)
- Black (10%)



- Cyan (10%)
- Magenta (49%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9377, 0.4822, 0.3817 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 32.9377, 0.4822, 0.3817 by changing the saturation by 10% instead.


 32.9377, 0.4822,
0.3817


 32.9377, 0.4822,
0.3817


315.3689, 0.3940,
0.3613


 22.0787, 0.5040,
0.3839


 64.2783, 0.4500,
0.3762


 13.9148, 0.5311,
0.3846


 85.5286, 0.4379,
0.3736

 8.0614, 0.5651,
0.3819

 111.0116, 0.4276,
0.3711

 4.1343, 0.6208,
0.3792

 141.1115, 0.4189,
0.3687

 1.7489, 0.6578,
0.3422

 176.2128, 0.4114,
0.3666

 0.4551, 0.7477,
0.2523

216.6999, 0.4048,

 0.0000, 1.0000,

0.3647

0.0000

262.9571, 0.3991,
0.3629

0.0000, 0.0000,
0.0000

32.9377, 0.4822,
0.3817

32.9377, 0.4822,
0.3817

28.9089, 0.5181,
0.3837

37.6937, 0.4470,
0.3762

25.5629, 0.5516,
0.3811

43.2077, 0.4145,
0.3686

22.8572, 0.5796,
0.3736

49.5148, 0.3855,
0.3598

21.7408, 0.5912,
0.3688

56.6461, 0.3605,
0.3507

64.6310, 0.3390,
0.3417

■ 73.4973, 0.3209,
0.3331

■ 83.2718, 0.3055,
0.3252

■ 93.4434, 0.2969,
0.3259

■ 95.3981, 0.2970,
0.3290

Harmonies

Analogous

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



32.9377, 0.4612, 0.3205



32.9377, 0.4822, 0.3817



32.9377, 0.4509, 0.4418

Triad

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



32.9377, 0.4822, 0.3817



32.9377, 0.2299, 0.4044



32.9377, 0.2283, 0.2029

Complementary

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



32.9377, 0.4822, 0.3817



39.9802, 0.2195, 0.2599

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.



32.9377, 0.1830, 0.2071



32.9377, 0.4822, 0.3817



32.9377, 0.1823, 0.3105

Square

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



32.9377, 0.4822, 0.3817



32.9377, 0.3039, 0.4762



32.9377, 0.1674, 0.2412



32.9377, 0.3021, 0.2237

Rectangle

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



32.9377, 0.4822, 0.3817



32.9377, 0.4093, 0.4737



32.9377, 0.1674, 0.2412



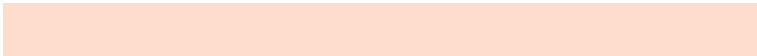
32.9377, 0.2098, 0.2013

Sweetspot

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



32.9394, 0.4822, 0.3817



77.2195, 0.3494, 0.3461



25.7576, 0.3753, 0.2217



15.9212, 0.3556, 0.3487



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.



32.9394, 0.4822, 0.3817



35.3590, 0.5298, 0.3834



59.3251, 0.4207, 0.4554



15.1389, 0.3284, 0.3368



12.6266, 0.5884, 0.3710



1.0981, 0.5600, 0.3936

Inverse Universe

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



39.9802, 0.2195, 0.2599



44.6895, 0.2066, 0.2430



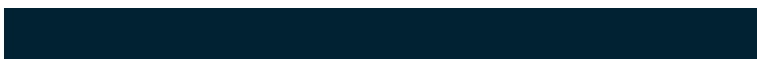
17.9339, 0.1942, 0.1532



15.4949, 0.2981, 0.3211



16.6072, 0.1939, 0.2180



1.3954, 0.1989, 0.2361

Previews

White Background



This preview shows how the Yxy color 32.9377, 0.4822, 0.3817 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 32.9377, 0.4822, 0.3817 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 32.9377, 0.4822, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 32.9377, 0.4822, 0.3817.



This preview shows how white text looks on a background with the Yxy color 32.9377, 0.4822, 0.3817.

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

32.9377, 0.4822, 0.3817

Protanopia

33.1561, 0.3914, 0.4257

Deuteranopia

32.9081, 0.4314, 0.4221



Tritanopia

32.9877, 0.4308, 0.3191

Trichromacy



Original Color

32.9377, 0.4822, 0.3817

Protanomaly

32.4361, 0.4243, 0.4084

Deuteranomaly

32.5647, 0.4504, 0.4070

Tritanomaly

32.8484, 0.4517, 0.3429

Monochromacy



Original Color

32.9377, 0.4822, 0.3817

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.2766, 0.3722, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9377, 0.4822, 0.3817 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(229, 129, 80)` looks like.

```
.text, #text, p{  
    color:rgb(229, 129, 80)  
}
```

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(229, 129, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 129, 80) }
```

Border

The CSS property to change the border of an element to Yxy 32.9377, 0.4822, 0.3817 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(229, 129, 80) }
```

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

```
.border{ border-color:rgb(229, 129, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 129, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 129, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 129, 80);  
box-shadow:4px 4px 4px 4px rgb(229, 129,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9377, 0.4822, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 129, 80) }
```

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

```
.background{ background-color: rgb(229,  
129, 80) }
```

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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