

Converting Colors

$Y_{xy}(32.5675, 0.5116, 0.3899)$

Have a look what the booklet for
Yxy(32.5675, 0.5116, 0.3899)
contains.

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Color

Yxy(32.7356, 0.5119, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	ED7C3B
RGB	237, 124, 59
RGB Percent	93%, 49%, 23%
CMY	0.0706, 0.5137, 0.7687
CMYK	0.00, 0.48, 0.75, 0.07
HSL	22°, 83%, 58%
HSV	22°, 75%, 93%
XYZ	42.9235, 32.7356, 8.1923
YIQ	150.3770, 88.2130, 3.7410

Conversions

Conversions Part 2

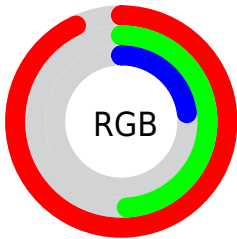
Format	Color
R _Y B	237, 161, 59
Decimal	15563835
CIE Lab	63.95, 39.01, 53.41
CIE LCh	64, 66.138, 53.851
Yxy	32.7356, 0.5119, 0.3904
Android (android.graphics.Color)	4293753915 (0xFFED7C3B)
YUV	150.3770, -45.0489, 75.9684
Hunter-Lab	57.2150, 33.7870, 31.5611

Details

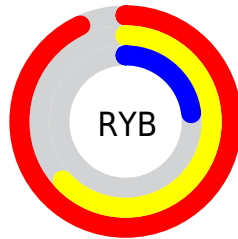
The Yxy color **32.7356, 0.5119, 0.3904** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **36.5464, 0.2069, 0.2375**, and the grayscale version is **30.8357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2266, 0.4402, 0.3980**, and **13.8856, 0.5629, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **29.0571, 0.5439, 0.3883**, and if you desaturate by 10%, it is **37.1045, 0.4777, 0.3877**.

Distribution



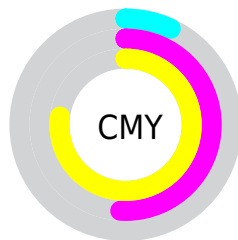
- Red (93%)
- Green (49%)
- Blue (23%)



- Red (93%)
- Yellow (63%)
- Blue (23%)



- Cyan (0%)
- Magenta (48%)
- Yellow (75%)
- Black (7%)



- Cyan (7%)
- Magenta (51%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7356, 0.5119, 0.3904 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 32.7356, 0.5119, 0.3904 by changing the saturation by 10% instead.


 32.7356, 0.5119,
0.3904

 32.7356, 0.5119,
0.3904


 314.4566, 0.4104,
0.3696

 21.9240, 0.5354,
0.3910


 63.9625, 0.4759,
0.3860


 13.8010, 0.5634,
0.3888


 85.1466, 0.4620,
0.3834


 7.9824, 0.5999,
0.3829


 110.5569, 0.4501,
0.3807

 4.0837, 0.6369,
0.3631

 140.5780, 0.4399,
0.3782

 1.7205, 0.6773,
0.3227

 175.5941, 0.4310,
0.3758

 0.4369, 0.7726,
0.2274

 215.9896, 0.4233,


 0.0000, 1.0000,


0.3735


0.0000


262.1490, 0.4165,
0.3715


 0.0000, 0.0000,
0.0000


 32.7356, 0.5119,
0.3904


 32.7356, 0.5119,
0.3904


 29.0571, 0.5439,
0.3883


 37.1045, 0.4777,
0.3877


 26.0212, 0.5707,
0.3809


 42.1963, 0.4441,
0.3815


 24.7505, 0.5820,
0.3761

 48.0470, 0.4127,
0.3729

 54.6887, 0.3846,
0.3632

 62.1513, 0.3601,
0.3530

 70.4629, 0.3389,
0.3431

 79.6505, 0.3209,
0.3336

 89.7395, 0.3055,
0.3248

 96.7456, 0.3017,
0.3290

Harmonies

Analogous

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



32.7356, 0.4958, 0.3211



32.7356, 0.5119, 0.3904



32.7356, 0.4664, 0.4617

Triad

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



32.7356, 0.5119, 0.3904



32.7356, 0.2070, 0.4110



32.7356, 0.2189, 0.1841

Complementary

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



32.7356, 0.5119, 0.3904



36.5464, 0.2069, 0.2375

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.



32.7356, 0.1653, 0.1851



32.7356, 0.5119, 0.3904



32.7356, 0.1573, 0.2953

Square

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



32.7356, 0.5119, 0.3904



32.7356, 0.2904, 0.5064



32.7356, 0.1450, 0.2188



32.7356, 0.3074, 0.2099

Rectangle

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



32.7356, 0.5119, 0.3904



32.7356, 0.4145, 0.5022



32.7356, 0.1450, 0.2188



32.7356, 0.1971, 0.1813

Sweetspot

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



32.7374, 0.5119, 0.3904



75.2849, 0.3555, 0.3510



24.2158, 0.3976, 0.2178



15.3899, 0.3638, 0.3547



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.



32.7374, 0.5119, 0.3904



32.3372, 0.5588, 0.3851



64.5645, 0.4298, 0.4716



15.9548, 0.3284, 0.3377



13.7405, 0.5790, 0.3784



1.2567, 0.5528, 0.3993

Inverse Universe

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



36.5464, 0.2069, 0.2375



36.6285, 0.1949, 0.2159



13.6508, 0.1762, 0.1180



16.1432, 0.2981, 0.3202



15.5834, 0.1903, 0.2049



1.4058, 0.1956, 0.2240

Previews

White Background



This preview shows how the Yxy color 32.7356, 0.5119, 0.3904 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 32.7356, 0.5119, 0.3904 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 32.7356, 0.5119, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 32.7356, 0.5119, 0.3904.



This preview shows how white text looks on a background with the Yxy color 32.7356, 0.5119, 0.3904.

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

32.7356, 0.5119, 0.3904

Protanopia

33.0785, 0.4104, 0.4500

Deuteranopia

32.8971, 0.4510, 0.4434



Tritanopia

32.7285, 0.4509, 0.3208

Trichromacy



Original Color

32.7356, 0.5119, 0.3904

Protanomaly

32.0639, 0.4482, 0.4265

Deuteranomaly

32.4427, 0.4747, 0.4219

Tritanomaly

32.7232, 0.4769, 0.3494

Monochromacy



Original Color

32.7356, 0.5119, 0.3904

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2792, 0.3845, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7356, 0.5119, 0.3904 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(237, 124, 59)` looks like.

```
.text, #text, p{  
    color:rgb(237, 124, 59)  
}
```

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(237, 124, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 124, 59) }
```

Border

The CSS property to change the border of an element to Yxy 32.7356, 0.5119, 0.3904 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(237, 124, 59) }
```

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

```
.border{ border-color:rgb(237, 124, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 124, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 124, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 124, 59);  
box-shadow:4px 4px 4px 4px rgb(237, 124,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7356, 0.5119, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 124, 59) }
```

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

```
.background{ background-color: rgb(237,  
124, 59) }
```

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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