

Converting Colors

$Y_{xy}(33.3069, 0.5323, 0.4109)$

Have a look what the booklet for
Yxy(33.3069, 0.5323, 0.4109)
contains.

Yxy(33.3069, 0.5323, 0.4109)	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(33.3069, 0.5323, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	EF7E0F
RGB	239, 126, 15
RGB Percent	94%, 49%, 6%
CMY	0.0627, 0.5059, 0.9414
CMYK	0.00, 0.47, 0.94, 0.06
HSL	30°, 88%, 50%
HSV	30°, 94%, 94%
XYZ	43.1474, 33.3069, 4.6041
YIQ	147.1330, 102.9790, -10.5650

Conversions

Conversions Part 2

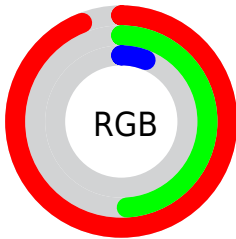
Format	Color
R _Y B	239, 235, 15
Decimal	15695375
CIE Lab	64.41, 37.69, 68.96
CIE LCh	64, 78.584, 61.343
Yxy	33.3069, 0.5323, 0.4109
Android (android.graphics.Color)	4293885455 (0xFFEF7E0F)
YUV	147.1330, -65.1416, 80.5674
Hunter-Lab	57.7121, 32.4559, 35.6685

Details

The Yxy color **33.3069, 0.5323, 0.4109** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **21.7610, 0.1809, 0.1675**, and the grayscale version is **29.4763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4383, 0.4610, 0.4261**, and **14.2623, 0.5616, 0.3923** is the 20% darker color. If you saturate the color by 10%, you get **31.4196, 0.5444, 0.4059**, and if you desaturate by 10%, it is **36.6908, 0.5099, 0.4152**.

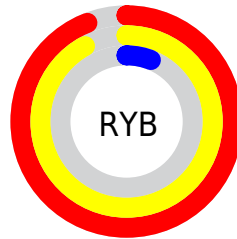
Distribution



Red (94%)

Green (49%)

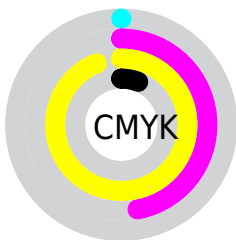
Blue (6%)



Red (94%)

Yellow (92%)

Blue (6%)

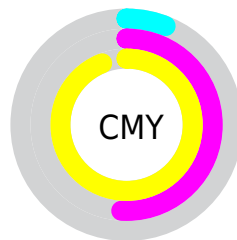


Cyan (0%)

Magenta (47%)

Yellow (94%)

Black (6%)



Cyan (6%)


Magenta (51%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3069, 0.5323, 0.4109 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 33.3069, 0.5323, 0.4109 by changing the saturation by 10% instead.


 33.3069, 0.5323,
0.4109


 33.3069, 0.5323,
0.4109


317.0304, 0.4260,
0.3857

 22.3617, 0.5539,
0.4102


 64.8544, 0.4967,
0.4068

 14.1229, 0.5788,
0.4059


 86.2254, 0.4823,
0.4037

 8.2062, 0.6056,
0.3944


 111.8405, 0.4697,
0.4004

 4.2272, 0.6311,
0.3689

 142.0840, 0.4587,
0.3972

 1.8014, 0.6698,
0.3302

 177.3403, 0.4490,
0.3941


 0.4881, 0.7556,
0.2444

 217.9939, 0.4404,

 0.0000, 1.0000,

0.3911


0.0000

 264.4291, 0.4328,
0.3883


 0.0000, 0.0000,
0.0000


 33.3069, 0.5323,
0.4109

 33.3069, 0.5323,
0.4109


 31.4196, 0.5444,
0.4059

 36.6908, 0.5099,
0.4152

 40.5565, 0.4840,
0.4140

 44.9338, 0.4562,
0.4079

 49.8476, 0.4284,
0.3982

 55.3203, 0.4018,
0.3862

■ 61.3727, 0.3773,
0.3730

■ 68.0242, 0.3552,
0.3595

■ 75.2932, 0.3357,
0.3462

■ 83.1972, 0.3186,
0.3336

Harmonies

Analogous

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



33.3069, 0.5391, 0.3335



33.3069, 0.5323, 0.4109



33.3069, 0.4622, 0.4941

Triad

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



33.3069, 0.5323, 0.4109



33.3069, 0.1709, 0.3887



33.3069, 0.2256, 0.1699

Complementary

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



33.3069, 0.5323, 0.4109



21.7610, 0.1809, 0.1675

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.



33.3069, 0.1570, 0.1625



33.3069, 0.5323, 0.4109



33.3069, 0.1290, 0.2589

Square

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



33.3069, 0.5323, 0.4109



33.3069, 0.2559, 0.5239



33.3069, 0.1263, 0.1877



33.3069, 0.3358, 0.2050

Rectangle

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



33.3069, 0.5323, 0.4109



33.3069, 0.3971, 0.5410



33.3069, 0.1263, 0.1877



33.3069, 0.1980, 0.1642

Sweetspot

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



33.3087, 0.5323, 0.4109



75.3606, 0.3645, 0.3654



20.3242, 0.4780, 0.2438



15.4261, 0.3742, 0.3712



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.



33.3087, 0.5323, 0.4109



36.2804, 0.5449, 0.4055



77.9654, 0.4211, 0.5014



17.0529, 0.3281, 0.3407



17.6227, 0.5419, 0.4079



1.6649, 0.5215, 0.4241

Inverse Universe

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



21.7610, 0.1809, 0.1675



22.8193, 0.1767, 0.1560



6.7887, 0.1525, 0.0647



16.5464, 0.2980, 0.3170



11.2031, 0.1776, 0.1593



1.1311, 0.1842, 0.1830

Previews

White Background



This preview shows how the Yxy color 33.3069, 0.5323, 0.4109 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 33.3069, 0.5323, 0.4109 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 33.3069, 0.5323, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 33.3069, 0.5323, 0.4109.



This preview shows how white text looks on a background with the Yxy color 33.3069, 0.5323, 0.4109.

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

33.3069, 0.5323, 0.4109

Protanopia

33.4142, 0.4347, 0.4819

Deuteranopia

33.5007, 0.4714, 0.4639



Tritanopia

33.2579, 0.4538, 0.3209

Trichromacy



Original Color

33.3069, 0.5323, 0.4109

Protanomaly

32.7540, 0.4720, 0.4552

Deuteranomaly

33.2068, 0.4945, 0.4439

Tritanomaly

32.9661, 0.4968, 0.3642

Monochromacy



Original Color

33.3069, 0.5323, 0.4109

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.0694, 0.4030, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3069, 0.5323, 0.4109 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(239, 126, 15)` looks like.

```
.text, #text, p{  
    color:rgb(239, 126, 15)  
}
```

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(239, 126, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 126, 15) }
```

Border

The CSS property to change the border of an element to Yxy 33.3069, 0.5323, 0.4109 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(239, 126, 15) }
```

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

```
.border{ border-color:rgb(239, 126, 15) }
```

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

Here you see how a box with a 4 pixel rgb(239, 126, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 126, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 126, 15);  
box-shadow:4px 4px 4px 4px rgb(239, 126,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3069, 0.5323, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 126, 15) }
```

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

```
.background{ background-color: rgb(239,  
126, 15) }
```

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