

Converting Colors

$Y_{xy}(30.7989, 0.5307, 0.3841)$

Have a look what the booklet for
Yxy(30.7989, 0.5307, 0.3841)
contains.

Yxy(30.7989, 0.5307, 0.3841)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7989, 0.5307, 0.3841)

Conversions

Conversions Part 1

Format	Color
Hex	F07233
RGB	240, 114, 51
RGB Percent	94%, 45%, 20%
CMY	0.0588, 0.5530, 0.8001
CMYK	0.00, 0.53, 0.79, 0.06
HSL	20°, 86%, 57%
HSV	20°, 79%, 94%
XYZ	42.5540, 30.7989, 6.8317
YIQ	144.4920, 95.3190, 7.1190

Conversions

Conversions Part 2

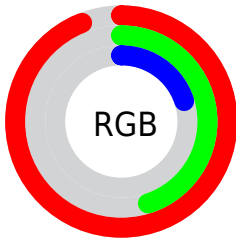
Format	Color
R _Y B	240, 146, 51
Decimal	15757875
CIE Lab	62.34, 44.84, 55.59
CIE LCh	62, 71.424, 51.108
Yxy	30.7989, 0.5307, 0.3841
Android (android.graphics.Color)	4293947955 (0xFFFF07233)
YUV	144.4920, -46.0916, 83.7605
Hunter-Lab	55.4968, 39.7514, 31.5490

Details

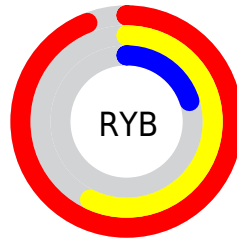
The Yxy color **30.7989, 0.5307, 0.3841** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **38.4413, 0.2059, 0.2412**, and the grayscale version is **28.2595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2246, 0.4535, 0.3952**, and **12.7924, 0.5828, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **27.3415, 0.5624, 0.3796**, and if you desaturate by 10%, it is **35.0002, 0.4954, 0.3837**.

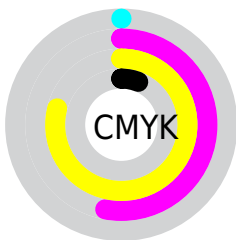
Distribution



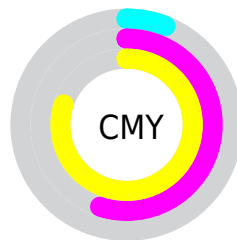
- Red (94%)
- Green (45%)
- Blue (20%)



- Red (94%)
- Yellow (57%)
- Blue (20%)



- Cyan (0%)
- Magenta (53%)
- Yellow (79%)
- Black (6%)





- Cyan (6%)
- Magenta (55%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7989, 0.5307, 0.3841 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 30.7989, 0.5307, 0.3841 by changing the saturation by 10% instead.


 30.7989, 0.5307,
0.3841


 30.7989, 0.5307,
0.3841


305.6108, 0.4194,
0.3686


 20.4458, 0.5561,
0.3825


 60.9233, 0.4913,
0.3823

 12.7195, 0.5863,
0.3770


 81.4634, 0.4761,
0.3804


 7.2357, 0.6300,
0.3694


 106.1679, 0.4630,
0.3783

 3.6099, 0.6614,
0.3386

 135.4212, 0.4518,
0.3762

 1.4578, 0.7083,
0.2917

 169.6078, 0.4421,
0.3742

 0.2588, 0.8482,
0.1518

 209.1120, 0.4335,

 0.0000, 1.0000,

0.3722

0.0000

254.3182, 0.4260,
0.3703

■ 0.0000, 0.0000,
0.0000

■ 30.7989, 0.5307,
0.3841

■ 30.7989, 0.5307,
0.3841

■ 27.3415, 0.5624,
0.3796

■ 35.0002, 0.4954,
0.3837

■ 24.5683, 0.5877,
0.3705


■ 39.9856, 0.4598,
0.3793


■ 24.2665, 0.5906,
0.3693

■ 45.7979, 0.4261,
0.3722

■ 52.4748, 0.3958,
0.3636

■ 60.0516, 0.3693,
0.3544

 68.5615, 0.3466,
0.3452

 78.0360, 0.3272,
0.3363

 88.5048, 0.3108,
0.3280

 97.2681, 0.3035,
0.3290

Harmonies

Analogous

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



30.7989, 0.5084, 0.3116



30.7989, 0.5307, 0.3841



30.7989, 0.4834, 0.4618

Triad

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



30.7989, 0.5307, 0.3841



30.7989, 0.2033, 0.4322



30.7989, 0.2039, 0.1721

Complementary

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



30.7989, 0.5307, 0.3841



38.4413, 0.2059, 0.2412

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.



30.7989, 0.1509, 0.1754



30.7989, 0.5307, 0.3841



30.7989, 0.1477, 0.3004

Square

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



30.7989, 0.5307, 0.3841



30.7989, 0.2949, 0.5323



30.7989, 0.1324, 0.2136



30.7989, 0.2959, 0.1971

Rectangle

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



30.7989, 0.5307, 0.3841



30.7989, 0.4280, 0.5102



30.7989, 0.1324, 0.2136



30.7989, 0.1820, 0.1699

Sweetspot

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



30.8006, 0.5307, 0.3841



73.3407, 0.3582, 0.3501



24.0688, 0.3988, 0.2130



14.9684, 0.3666, 0.3534



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.



30.8006, 0.5307, 0.3841



29.2055, 0.5796, 0.3740



64.1281, 0.4363, 0.4725



16.6197, 0.3285, 0.3369



13.5001, 0.5877, 0.3716



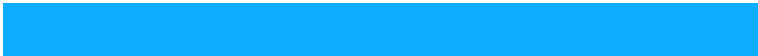
1.2993, 0.5622, 0.3918

Inverse Universe

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



38.4413, 0.2059, 0.2412



37.6717, 0.1951, 0.2201



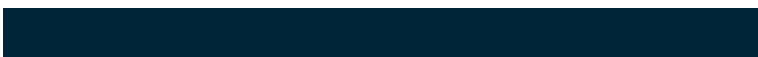
13.1041, 0.1720, 0.1118



16.9895, 0.2980, 0.3209



17.4611, 0.1934, 0.2162



1.6346, 0.1980, 0.2328

Previews

White Background



This preview shows how the Yxy color 30.7989, 0.5307, 0.3841 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 30.7989, 0.5307, 0.3841 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 30.7989, 0.5307, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 30.7989, 0.5307, 0.3841.



This preview shows how white text looks on a background with the Yxy color 30.7989, 0.5307, 0.3841.

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

30.7989, 0.5307, 0.3841

Protanopia

30.7950, 0.4142, 0.4547

Deuteranopia

30.7522, 0.4587, 0.4484



Tritanopia

30.7850, 0.4738, 0.3223

Trichromacy



Original Color

30.7989, 0.5307, 0.3841

Protanomaly

29.9417, 0.4584, 0.4279

Deuteranomaly

30.1019, 0.4872, 0.4222

Tritanomaly

30.7844, 0.4988, 0.3483

Monochromacy



Original Color

30.7989, 0.5307, 0.3841

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.4846, 0.3932, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7989, 0.5307, 0.3841 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(240, 114, 51)` looks like.

```
.text, #text, p{  
    color:rgb(240, 114, 51)  
}
```

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(240, 114, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 114, 51) }
```

Border

The CSS property to change the border of an element to Yxy 30.7989, 0.5307, 0.3841 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(240, 114, 51) }
```

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

```
.border{ border-color:rgb(240, 114, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 114, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 114, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 114, 51);  
box-shadow:4px 4px 4px 4px rgb(240, 114,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7989, 0.5307, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 114, 51) }
```

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

```
.background{ background-color: rgb(240,  
114, 51) }
```

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