

Converting Colors

$Y_{xy}(37.0369, 0.5175, 0.3932)$

Have a look what the booklet for
Yxy(37.0369, 0.5175, 0.3932)
contains.

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Color

Yxy(37.0372, 0.5167, 0.3935)

Conversions

Conversions Part 1

Format	Color
Hex	FB8339
RGB	251, 131, 57
RGB Percent	98%, 51%, 22%
CMY	0.0158, 0.4862, 0.7766
CMYK	0.00, 0.48, 0.77, 0.02
HSL	23°, 96%, 60%
HSV	23°, 77%, 98%
XYZ	48.6331, 37.0372, 8.4522
YIQ	158.4440, 95.2740, 2.4260

Conversions

Conversions Part 2

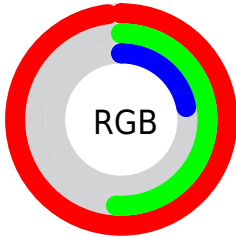
Format	Color
R_{YB}	251, 177, 57
Decimal	16483129
CIE _{Lab}	67.30, 40.84, 58.31
CIE _{LCh}	67, 71.193, 54.993
Yxy	37.0372, 0.5167, 0.3935
Android (android.graphics.Color)	4294673209 (0xFFFB8339)
YUV	158.4440, -50.0119, 81.1716
Hunter-Lab	60.8582, 36.1413, 34.3663

Details

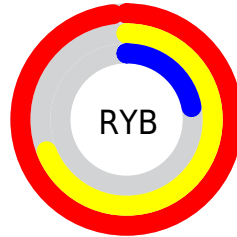
The Yxy color **37.0372, 0.5167, 0.3935** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **39.2493, 0.2035, 0.2295**, and the grayscale version is **34.6048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4819, 0.4355, 0.4066**, and **16.2833, 0.5641, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **32.9858, 0.5470, 0.3904**, and if you desaturate by 10%, it is **41.8406, 0.4835, 0.3916**.

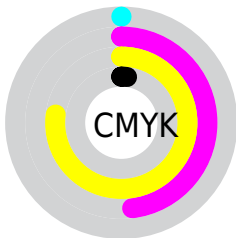
Distribution



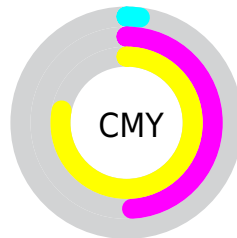
- Red (98%)
- Green (51%)
- Blue (22%)



- Red (98%)
- Yellow (69%)
- Blue (22%)



- Cyan (0%)
- Magenta (48%)
- Yellow (77%)
- Black (2%)




- Cyan (2%)
- Magenta (49%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0372, 0.5167, 0.3935 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 37.0372, 0.5167, 0.3935 by changing the saturation by 10% instead.


 37.0372, 0.5167,
0.3935


 37.0372, 0.5167,
0.3935

333.4715, 0.4156,
0.3728


 25.2363, 0.5391,
0.3939


 70.6300, 0.4816,
0.3894


 16.2532, 0.5654,
0.3915


 93.1907, 0.4678,
0.3868

 9.7035, 0.5981,
0.3852


 120.1067, 0.4560,
0.3842


 5.2028, 0.6325,
0.3675

 151.7626, 0.4457,
0.3816

 2.3667, 0.6683,
0.3317

 188.5426, 0.4367,
0.3792

 0.8087, 0.7262,
0.2738

 230.8311, 0.4288,

 0.0000, 1.0000,

0.3769

0.0000

279.0127, 0.4219,
0.3747

■ 0.0000, 0.0000,
0.0000

■ 37.0372, 0.5167,
0.3935

■ 37.0372, 0.5167,
0.3935

■ 32.9858, 0.5470,
0.3904

■ 41.8406, 0.4835,
0.3916

■ 29.6320, 0.5719,
0.3820


■ 47.4320, 0.4502,
0.3856

■ 28.8345, 0.5780,
0.3793


■ 53.8516, 0.4187,
0.3771

■ 61.1346, 0.3902,
0.3671

■ 69.3139, 0.3650,
0.3565

 78.4206, 0.3433,
0.3460

 88.4841, 0.3246,
0.3360

 99.2458, 0.3102,
0.3290

Harmonies

Analogous

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



37.0372, 0.5036, 0.3227



37.0372, 0.5167, 0.3935



37.0372, 0.4672, 0.4669

Triad

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



37.0372, 0.5167, 0.3935



37.0372, 0.2009, 0.4090



37.0372, 0.2190, 0.1810

Complementary

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



37.0372, 0.5167, 0.3935



39.2493, 0.2035, 0.2295

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.



37.0372, 0.1631, 0.1808



37.0372, 0.5167, 0.3935



37.0372, 0.1520, 0.2898

Square

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



37.0372, 0.5167, 0.3935



37.0372, 0.2853, 0.5108



37.0372, 0.1411, 0.2133



37.0372, 0.3110, 0.2083

Rectangle

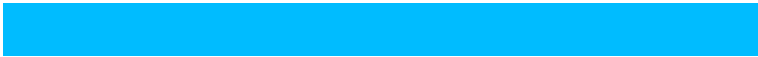
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.0372, 0.5167, 0.3935



37.0372, 0.4129, 0.5087



37.0372, 0.1411, 0.2133



37.0372, 0.1963, 0.1778

Sweetspot

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



37.0392, 0.5167, 0.3935



75.7868, 0.3553, 0.3520



26.7179, 0.4060, 0.2193



15.5099, 0.3635, 0.3558



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.



37.0392, 0.5167, 0.3935



32.1059, 0.5622, 0.3861



74.7126, 0.4300, 0.4761



18.3111, 0.3284, 0.3381



15.4184, 0.5750, 0.3816



1.6256, 0.5528, 0.3993

Inverse Universe

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



39.2493, 0.2035, 0.2295



34.0712, 0.1916, 0.2062



13.9945, 0.1720, 0.1085



18.4305, 0.2980, 0.3197



16.3082, 0.1885, 0.1987



1.7151, 0.1933, 0.2159

Previews

White Background



This preview shows how the Yxy color 37.0372, 0.5167, 0.3935 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 37.0372, 0.5167, 0.3935 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 37.0372, 0.5167, 0.3935

Background



This preview shows how black text looks on a background with the Yxy color 37.0372, 0.5167, 0.3935.



This preview shows how white text looks on a background with the Yxy color 37.0372, 0.5167, 0.3935.

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

37.0372, 0.5167, 0.3935

Protanopia

37.3709, 0.4147, 0.4562

Deuteranopia

37.1205, 0.4561, 0.4467



Tritanopia

37.0919, 0.4533, 0.3203

Trichromacy



Original Color

37.0372, 0.5167, 0.3935

Protanomaly

36.5512, 0.4528, 0.4321

Deuteranomaly

36.6450, 0.4790, 0.4262

Tritanomaly

37.0125, 0.4813, 0.3501

Monochromacy



Original Color

37.0372, 0.5167, 0.3935

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.7668, 0.3878, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0372, 0.5167, 0.3935 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(251, 131, 57)` looks like.

```
.text, #text, p{  
    color:rgb(251, 131, 57)  
}
```

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(251, 131, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 131, 57) }
```

Border

The CSS property to change the border of an element to Yxy 37.0372, 0.5167, 0.3935 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(251, 131, 57) }
```

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

```
.border{ border-color:rgb(251, 131, 57) }
```

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

Here you see how a box with a 4 pixel rgb(251, 131, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 131, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 131, 57);  
box-shadow:4px 4px 4px 4px rgb(251, 131,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0372, 0.5167, 0.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 131, 57) }
```

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

```
.background{ background-color: rgb(251,  
131, 57) }
```

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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