

Converting Colors

$Y_{xy}(37.4197, 0.5266, 0.3962)$

Have a look what the booklet for
Yxy(37.4197, 0.5266, 0.3962)
contains.

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Color

Yxy(37.4305, 0.5265, 0.3963)

Conversions

Conversions Part 1

Format	Color
Hex	FF822F
RGB	255, 130, 47
RGB Percent	100%, 51%, 18%
CMY	0.0001, 0.4901, 0.8157
CMYK	0.00, 0.49, 0.82, 0.00
HSL	24°, 100%, 59%
HSV	24°, 82%, 100%
XYZ	49.7279, 37.4305, 7.2915
YIQ	157.9130, 101.1430, 0.6870

Conversions

Conversions Part 2

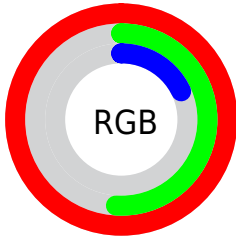
Format	Color
R _Y B	255, 185, 47
Decimal	16745007
CIE Lab	67.60, 42.55, 62.92
CIE LCh	68, 75.958, 55.928
Yxy	37.4305, 0.5265, 0.3963
Android (android.graphics.Color)	4294935087 (0xFFFF822F)
YUV	157.9130, -54.6801, 85.1453
Hunter-Lab	61.1805, 38.0201, 35.7601

Details

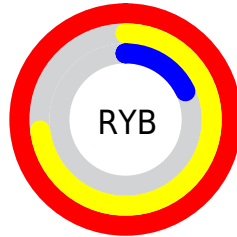
The Yxy color **37.4305, 0.5265, 0.3963** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **37.3006, 0.1983, 0.2178**, and the grayscale version is **34.3715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8780, 0.4425, 0.4134**, and **16.5251, 0.5677, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **33.5063, 0.5541, 0.3911**, and if you desaturate by 10%, it is **42.0853, 0.4950, 0.3961**.

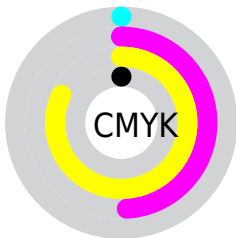
Distribution



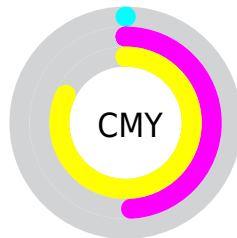
- Red (100%)
- Green (51%)
- Blue (18%)



- Red (100%)
- Yellow (73%)
- Blue (18%)



- Cyan (0%)
- Magenta (49%)
- Yellow (82%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4305, 0.5265, 0.3963 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 37.4305, 0.5265, 0.3963 by changing the saturation by 10% instead.


 37.4305, 0.5265,
0.3963


 37.4305, 0.5265,
0.3963


335.1706, 0.4221,
0.3762

 25.5410, 0.5489,
0.3959


 71.2344, 0.4908,
0.3930


 16.4806, 0.5747,
0.3922


 93.9176, 0.4766,
0.3905

 9.8648, 0.6090,
0.3858


 120.9674, 0.4643,
0.3879

 5.3094, 0.6368,
0.3632

 152.7683, 0.4536,
0.3853

 2.4299, 0.6731,
0.3269

 189.7047, 0.4442,
0.3828

 0.8412, 0.7308,
0.2692

 232.1610, 0.4359,

 0.0000, 1.0000,

0.3805

0.0000

280.5215, 0.4286,
0.3782

■ 0.0000, 0.0000,
0.0000

■ 37.4305, 0.5265,
0.3963

■ 37.4305, 0.5265,
0.3963

■ 33.5063, 0.5541,
0.3911

■ 42.0853, 0.4950,
0.3961


■ 30.7184, 0.5732,
0.3831


■ 47.5080, 0.4623,
0.3914


■ 53.7392, 0.4306,
0.3834

■ 60.8147, 0.4012,
0.3734

■ 68.7675, 0.3750,
0.3625

 77.6288, 0.3520,
0.3514

 87.4280, 0.3322,
0.3407

 98.1930, 0.3152,
0.3305

99.9946, 0.3127,
0.3290

Harmonies

Analogous

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



37.4305, 0.5167, 0.3230



37.4305, 0.5265, 0.3963



37.4305, 0.4710, 0.4739

Triad

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



37.4305, 0.5265, 0.3963



37.4305, 0.1919, 0.4100



37.4305, 0.2163, 0.1747

Complementary

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



37.4305, 0.5265, 0.3963



37.3006, 0.1983, 0.2178

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.



37.4305, 0.1573, 0.1732



37.4305, 0.5265, 0.3963



37.4305, 0.1431, 0.2830

Square

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



37.4305, 0.5265, 0.3963



37.4305, 0.2790, 0.5220



37.4305, 0.1336, 0.2049



37.4305, 0.3140, 0.2038

Rectangle

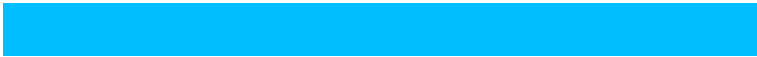
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.4305, 0.5265, 0.3963



37.4305, 0.4128, 0.5193



37.4305, 0.1336, 0.2049



37.4305, 0.1923, 0.1709

Sweetspot

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



37.4325, 0.5265, 0.3963



75.4109, 0.3573, 0.3541



26.3913, 0.4183, 0.2208



15.4596, 0.3654, 0.3580



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.



37.4325, 0.5265, 0.3963



31.3493, 0.5688, 0.3851



78.4474, 0.4314, 0.4818



19.1772, 0.3284, 0.3385



16.3274, 0.5703, 0.3854



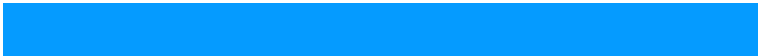
1.7964, 0.5494, 0.4019

Inverse Universe

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



37.3006, 0.1983, 0.2178



30.7699, 0.1872, 0.1928



12.3608, 0.1657, 0.0953



19.1931, 0.2979, 0.3193



16.0090, 0.1868, 0.1923



1.7726, 0.1915, 0.2094

Previews

White Background



This preview shows how the Yxy color 37.4305, 0.5265, 0.3963 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 37.4305, 0.5265, 0.3963 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 37.4305, 0.5265, 0.3963

Background



This preview shows how black text looks on a background with the Yxy color 37.4305, 0.5265, 0.3963.



This preview shows how white text looks on a background with the Yxy color 37.4305, 0.5265, 0.3963.

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

37.4305, 0.5265, 0.3963

Protanopia

37.5101, 0.4226, 0.4638

Deuteranopia

37.6512, 0.4628, 0.4539



Tritanopia

37.3412, 0.4527, 0.3213

Trichromacy



Original Color

37.4305, 0.5265, 0.3963

Protanomaly

36.4152, 0.4619, 0.4375

Deuteranomaly

37.0282, 0.4877, 0.4313

Tritanomaly

37.1213, 0.4864, 0.3537

Monochromacy



Original Color

37.4305, 0.5265, 0.3963

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.8253, 0.3920, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4305, 0.5265, 0.3963 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(255, 130, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 47)  
}
```

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(255, 130, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 47) }
```

Border

The CSS property to change the border of an element to Yxy 37.4305, 0.5265, 0.3963 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(255, 130, 47) }
```

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

```
.border{ border-color:rgb(255, 130, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4305, 0.5265, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 47) }
```

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

```
.background{ background-color: rgb(255,  
130, 47) }
```

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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