

Converting Colors

$Y_{xy}(37.1222, 0.5228, 0.4068)$

Have a look what the booklet for
Yxy(37.1222, 0.5228, 0.4068)
contains.

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Color

Yxy(37.3235, 0.5228, 0.4071)

Conversions

Conversions Part 1

Format	Color
Hex	F98625
RGB	249, 134, 37
RGB Percent	98%, 53%, 15%
CMY	0.0235, 0.4745, 0.8549
CMYK	0.00, 0.46, 0.85, 0.02
HSL	27°, 95%, 56%
HSV	27°, 85%, 98%
XYZ	47.9310, 37.3235, 6.4269
YIQ	157.3270, 99.6770, -5.7870

Conversions

Conversions Part 2

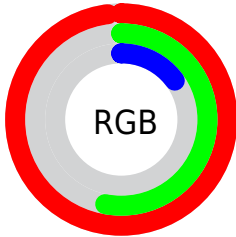
Format	Color
R _Y B	249, 216, 37
Decimal	16352805
CIE Lab	67.52, 37.99, 66.13
CIE LCh	68, 76.261, 60.126
Yxy	37.3235, 0.5228, 0.4071
Android (android.graphics.Color)	4294542885 (0xFFFF98625)
YUV	157.3270, -59.3212, 80.3972
Hunter-Lab	61.0930, 33.1311, 36.5279

Details

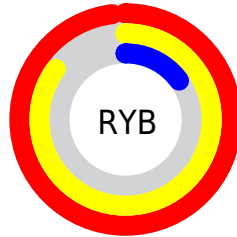
The Yxy color **37.3235, 0.5228, 0.4071** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **29.6943, 0.1906, 0.1946**, and the grayscale version is **34.1110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9991, 0.4456, 0.4226**, and **16.4737, 0.5580, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **33.7201, 0.5461, 0.4011**, and if you desaturate by 10%, it is **41.5143, 0.4953, 0.4076**.

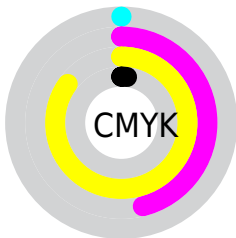
Distribution



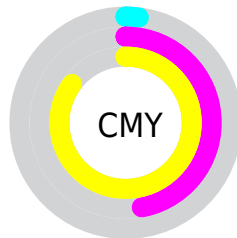
- Red (98%)
- Green (53%)
- Blue (15%)



- Red (98%)
- Yellow (85%)
- Blue (15%)



- Cyan (0%)
- Magenta (46%)
- Yellow (85%)
- Black (2%)





- Cyan (2%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3235, 0.5228, 0.4071 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 37.3235, 0.5228, 0.4071 by changing the saturation by 10% instead.


 37.3235, 0.5228,
0.4071


 37.3235, 0.5228,
0.4071


334.7090, 0.4213,
0.3821


 25.4581, 0.5440,
0.4075


 71.0700, 0.4885,
0.4022

 16.4187, 0.5679,
0.4047


 93.7200, 0.4747,
0.3991

 9.8209, 0.6002,
0.3998


 120.7335, 0.4628,
0.3959

 5.2804, 0.6230,
0.3770

 152.4950, 0.4523,
0.3928

 2.4127, 0.6569,
0.3431

 189.3889, 0.4431,
0.3899

 0.8324, 0.7120,
0.2880

 231.7996, 0.4350,

 0.0000, 1.0000,

0.3871

0.0000

280.1115, 0.4278,
0.3845

■ 0.0000, 0.0000,
0.0000

■ 37.3235, 0.5228,
0.4071

■ 37.3235, 0.5228,
0.4071

■ 33.7201, 0.5461,
0.4011

■ 41.5143, 0.4953,
0.4076


■ 32.1620, 0.5561,
0.3967

■ 46.3222, 0.4657,
0.4030


■ 51.7804, 0.4361,
0.3946


■ 57.9174, 0.4078,
0.3838

■ 64.7594, 0.3820,
0.3716

 72.3311, 0.3589,
0.3590

 80.6557, 0.3385,
0.3467

 89.7551, 0.3209,
0.3348

 98.8833, 0.3090,
0.3290

Harmonies

Analogous

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



37.3235, 0.5239, 0.3327



37.3235, 0.5228, 0.4071



37.3235, 0.4602, 0.4849

Triad

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



37.3235, 0.5228, 0.4071



37.3235, 0.1819, 0.3909



37.3235, 0.2273, 0.1766

Complementary

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



37.3235, 0.5228, 0.4071



29.6943, 0.1906, 0.1946

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.



37.3235, 0.1627, 0.1710



37.3235, 0.5228, 0.4071



37.3235, 0.1390, 0.2684

Square

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



37.3235, 0.5228, 0.4071



37.3235, 0.2649, 0.5124



37.3235, 0.1343, 0.1975



37.3235, 0.3302, 0.2095

Rectangle

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



37.3235, 0.5228, 0.4071



37.3235, 0.3995, 0.5275



37.3235, 0.1343, 0.1975



37.3235, 0.2014, 0.1716

Sweetspot

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



37.3255, 0.5228, 0.4071



75.6014, 0.3608, 0.3602



23.7856, 0.4468, 0.2334



15.5747, 0.3686, 0.3645



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.



37.3255, 0.5228, 0.4071



33.9048, 0.5563, 0.3965



81.6693, 0.4234, 0.4932



18.5336, 0.3282, 0.3399



17.4893, 0.5534, 0.3988



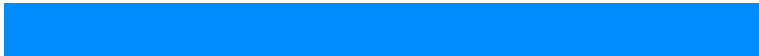
1.8290, 0.5333, 0.4147

Inverse Universe

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



29.6943, 0.1906, 0.1946



25.4930, 0.1803, 0.1691



9.3143, 0.1593, 0.0785



18.2033, 0.2980, 0.3179



13.2362, 0.1811, 0.1720



1.4379, 0.1867, 0.1922

Previews

White Background



This preview shows how the Yxy color 37.3235, 0.5228, 0.4071 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 37.3235, 0.5228, 0.4071 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 37.3235, 0.5228, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 37.3235, 0.5228, 0.4071.



This preview shows how white text looks on a background with the Yxy color 37.3235, 0.5228, 0.4071.

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

37.3235, 0.5228, 0.4071

Protanopia

37.4140, 0.4281, 0.4720

Deuteranopia

37.2528, 0.4678, 0.4578



Tritanopia

37.2711, 0.4479, 0.3202

Trichromacy



Original Color

37.3235, 0.5228, 0.4071

Protanomaly

36.6883, 0.4636, 0.4477

Deuteranomaly

36.9565, 0.4891, 0.4383

Tritanomaly

37.0346, 0.4844, 0.3580

Monochromacy



Original Color

37.3235, 0.5228, 0.4071

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.6343, 0.3934, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3235, 0.5228, 0.4071 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(249, 134, 37)` looks like.

```
.text, #text, p{  
    color:rgb(249, 134, 37)  
}
```

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(249, 134, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 134, 37) }
```

Border

The CSS property to change the border of an element to Yxy 37.3235, 0.5228, 0.4071 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(249, 134, 37) }
```

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

```
.border{ border-color:rgb(249, 134, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 134, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 134, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 134, 37);  
box-shadow:4px 4px 4px 4px rgb(249, 134,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3235, 0.5228, 0.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 134, 37) }
```

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

```
.background{ background-color: rgb(249,  
134, 37) }
```

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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