

Converting Colors

$Y_{xy}(34.3215, 0.5314, 0.3927)$

Have a look what the booklet for
Yxy(34.3215, 0.5314, 0.3927)
contains.

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Color

Yxy(34.4951, 0.5310, 0.3929)

Conversions

Conversions Part 1

Format	Color
Hex	F97B2D
RGB	249, 123, 45
RGB Percent	98%, 48%, 18%
CMY	0.0236, 0.5176, 0.8236
CMYK	0.00, 0.51, 0.82, 0.02
HSL	23°, 94%, 58%
HSV	23°, 82%, 98%
XYZ	46.6197, 34.4951, 6.6813
YIQ	151.7820, 100.1340, 2.4540

Conversions

Conversions Part 2

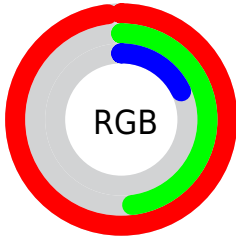
Format	Color
R _Y B	249, 171, 45
Decimal	16349997
CIE Lab	65.35, 43.66, 61.38
CIE LCh	65, 75.321, 54.578
Yxy	34.4951, 0.5310, 0.3929
Android (android.graphics.Color)	4294540077 (0xFFFF97B2D)
YUV	151.7820, -52.6435, 85.2602
Hunter-Lab	58.7325, 38.9049, 34.3681

Details

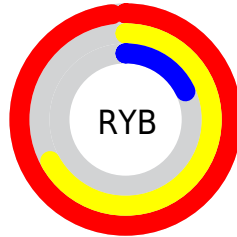
The Yxy color **34.4951, 0.5310, 0.3929** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **36.5017, 0.1994, 0.2223**, and the grayscale version is **31.5008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5673, 0.4505, 0.4082**, and **14.8208, 0.5742, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **30.8383, 0.5591, 0.3873**, and if you desaturate by 10%, it is **38.8676, 0.4988, 0.3932**.

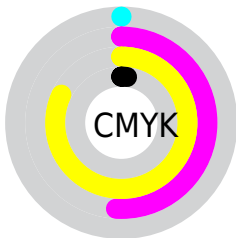
Distribution



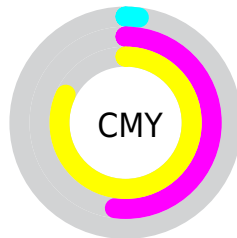
- Red (98%)
- Green (48%)
- Blue (18%)



- Red (98%)
- Yellow (67%)
- Blue (18%)



- Cyan (0%)
- Magenta (51%)
- Yellow (82%)
- Black (2%)




- Cyan (2%)
- Magenta (52%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4951, 0.5310, 0.3929 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 34.4951, 0.5310, 0.3929 by changing the saturation by 10% instead.


 34.4951, 0.5310,
0.3929


 34.4951, 0.5310,
0.3929


322.3341, 0.4228,
0.3744

 23.2742, 0.5545,
0.3918


 66.7029, 0.4937,
0.3903


 14.7961, 0.5818,
0.3870


 88.4585, 0.4789,
0.3881

 8.6764, 0.6199,
0.3801


 114.4945, 0.4662,
0.3856

 4.5307, 0.6471,
0.3529

 145.1953, 0.4552,
0.3832

 1.9747, 0.6876,
0.3124

 180.9453, 0.4455,
0.3808

 0.5927, 0.7622,
0.2378

 222.1288, 0.4370,

 0.0000, 1.0000,

0.3786

0.0000

269.1303, 0.4295,
0.3765

■ 0.0000, 0.0000,
0.0000

■ 34.4951, 0.5310,
0.3929

■ 34.4951, 0.5310,
0.3929

■ 30.8383, 0.5591,
0.3873

■ 38.8676, 0.4988,
0.3932

■ 28.3660, 0.5777,
0.3795


■ 43.9936, 0.4653,
0.3889

■ 49.9137, 0.4328,
0.3814

■ 56.6636, 0.4029,
0.3719

■ 64.2766, 0.3762,
0.3615

 72.7837, 0.3529,
0.3509

 82.2146, 0.3329,
0.3406

 92.5972, 0.3157,
0.3308

 98.8772, 0.3090,
0.3290

Harmonies

Analogous

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



34.4951, 0.5181, 0.3191



34.4951, 0.5310, 0.3929



34.4951, 0.4764, 0.4719

Triad

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



34.4951, 0.5310, 0.3929



34.4951, 0.1930, 0.4179



34.4951, 0.2112, 0.1719

Complementary

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



34.4951, 0.5310, 0.3929



36.5017, 0.1994, 0.2223

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.



34.4951, 0.1533, 0.1716



34.4951, 0.5310, 0.3929



34.4951, 0.1419, 0.2866

Square

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



34.4951, 0.5310, 0.3929



34.4951, 0.2824, 0.5293



34.4951, 0.1309, 0.2052



34.4951, 0.3086, 0.2001

Rectangle

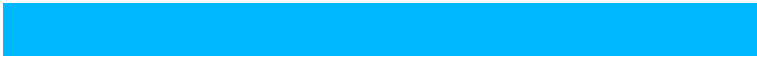
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.4951, 0.5310, 0.3929



34.4951, 0.4179, 0.5194



34.4951, 0.1309, 0.2052



34.4951, 0.1876, 0.1685

Sweetspot

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



34.4970, 0.5310, 0.3929



73.9583, 0.3598, 0.3541



25.0755, 0.4137, 0.2177



15.1529, 0.3679, 0.3579



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.



34.4970, 0.5310, 0.3929



30.5194, 0.5734, 0.3813



72.4551, 0.4343, 0.4796



18.3136, 0.3284, 0.3381



15.4391, 0.5748, 0.3818



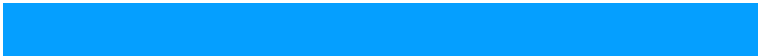
1.6277, 0.5525, 0.3995

Inverse Universe

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



36.5017, 0.1994, 0.2223



32.1887, 0.1888, 0.1987



12.0541, 0.1662, 0.0977



18.4280, 0.2980, 0.3197



16.2712, 0.1884, 0.1984



1.7118, 0.1932, 0.2156

Previews

White Background



This preview shows how the Yxy color 34.4951, 0.5310, 0.3929 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 34.4951, 0.5310, 0.3929 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 34.4951, 0.5310, 0.3929

Background



This preview shows how black text looks on a background with the Yxy color 34.4951, 0.5310, 0.3929.



This preview shows how white text looks on a background with the Yxy color 34.4951, 0.5310, 0.3929.

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

34.4951, 0.5310, 0.3929

Protanopia

34.5276, 0.4221, 0.4638

Deuteranopia

34.5281, 0.4627, 0.4542



Tritanopia

34.3870, 0.4660, 0.3214

Trichromacy



Original Color

34.4951, 0.5310, 0.3929

Protanomaly

33.6342, 0.4637, 0.4360

Deuteranomaly

34.0951, 0.4894, 0.4302

Tritanomaly

34.2923, 0.4956, 0.3516

Monochromacy



Original Color

34.4951, 0.5310, 0.3929

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.8068, 0.3946, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4951, 0.5310, 0.3929 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, 123, 45)` looks like.

```
.text, #text, p{  
    color:rgb(249, 123, 45)  
}
```

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, 123, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 123, 45) }
```

Border

The CSS property to change the border of an element to Yxy 34.4951, 0.5310, 0.3929 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, 123, 45) }
```

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

```
.border{ border-color:rgb(249, 123, 45) }
```

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

Here you see how a box with a 4 pixel rgb(249, 123, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 123, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 123, 45);  
box-shadow:4px 4px 4px 4px rgb(249, 123,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4951, 0.5310, 0.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 123, 45) }
```

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

```
.background{ background-color: rgb(249,  
123, 45) }
```

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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