

Converting Colors

$Y_{xy}(34.9831, 0.5550, 0.4070)$

Have a look what the booklet for
Yxy(34.9831, 0.5550, 0.4070)
contains.

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Color

Yxy(34.9899, 0.5495, 0.4019)

Conversions

Conversions Part 1

Format	Color
Hex	FE7A00
RGB	254, 122, 0
RGB Percent	100%, 48%, 0%
CMY	0.0038, 0.5216, 1.0000
CMYK	0.00, 0.52, 1.00, 0.00
HSL	29°, 100%, 50%
HSV	29°, 100%, 100%
XYZ	47.8401, 34.9899, 4.2312
YIQ	147.5600, 117.8340, -9.9580

Conversions

Conversions Part 2

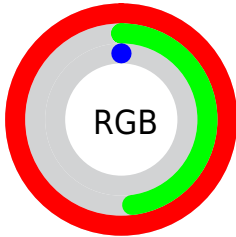
Format	Color
RYB	254, 235, 0
Decimal	16677376
CIELab	65.74, 45.40, 73.19
CIELCh	66, 86.126, 58.189
Yxy	34.9899, 0.5495, 0.4019
Android (android.graphics.Color)	4294867456 (0xFFFE7A00)
YUV	147.5600, -72.7471, 93.3479
Hunter-Lab	59.1523, 40.8477, 37.1656

Details

The Yxy color **34.9899, 0.5495, 0.4019** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **23.6710, 0.1781, 0.1612**, and the grayscale version is **29.6931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7785, 0.4673, 0.4257**, and **15.0751, 0.5796, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **34.9919, 0.5495, 0.4019**, and if you desaturate by 10%, it is **38.5293, 0.5291, 0.4097**.

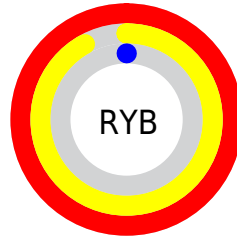
Distribution



Red (100%)

Green (48%)

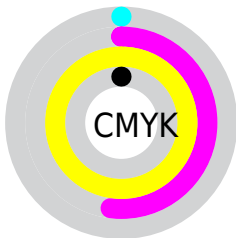
Blue (0%)



Red (100%)

Yellow (92%)

Blue (0%)

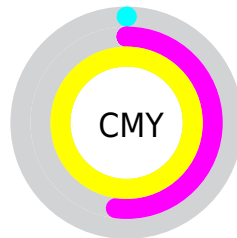


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9899, 0.5495, 0.4019 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 34.9899, 0.5495, 0.4019 by changing the saturation by 10% instead.


 34.9899, 0.5495,
0.4019


 34.9899, 0.5495,
0.4019


324.5237, 0.4369,
0.3845

 23.6551, 0.5717,
0.3988


 67.4701, 0.5124,
0.4012


 15.0780, 0.5977,
0.3920


 89.3843, 0.4972,
0.3992

 8.8741, 0.6236,
0.3764


 115.5938, 0.4838,
0.3968

 4.6592, 0.6512,
0.3488

 146.4829, 0.4720,
0.3943

 2.0487, 0.6919,
0.3081

 182.4361, 0.4616,
0.3917

 0.6355, 0.7631,
0.2369

 223.8377, 0.4524,


 0.0000, 1.0000,


0.3892


0.0000


 271.0721, 0.4442,
0.3868

 0.0000, 0.0000,
0.0000

 34.9899, 0.5495,
0.4019


 34.9899, 0.5495,
0.4019

 34.9919, 0.5495,
0.4019

 38.5293, 0.5291,
0.4097

 42.6173, 0.5045,
0.4124

 47.3004, 0.4768,
0.4097

 52.6110, 0.4480,
0.4025

 58.5782, 0.4198,
0.3922

65.2286, 0.3933,
0.3800

72.5868, 0.3693,
0.3669

80.6760, 0.3479,
0.3538

89.5183, 0.3291,
0.3411

Harmonies

Analogous

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



34.9899, 0.5508, 0.3227



34.9899, 0.5495, 0.4019



34.9899, 0.4775, 0.4910

Triad

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



34.9899, 0.5495, 0.4019



34.9899, 0.1683, 0.4103



34.9899, 0.2099, 0.1591

Complementary

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



34.9899, 0.5495, 0.4019



23.6710, 0.1781, 0.1612

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.



34.9899, 0.1433, 0.1543



34.9899, 0.5495, 0.4019



34.9899, 0.1211, 0.2639

Square

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



34.9899, 0.5495, 0.4019



34.9899, 0.2609, 0.5519



34.9899, 0.1154, 0.1836



34.9899, 0.3226, 0.1926

Rectangle

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



34.9899, 0.5495, 0.4019



34.9899, 0.4095, 0.5466



34.9899, 0.1154, 0.1836



34.9899, 0.1828, 0.1542

Sweetspot

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



34.9919, 0.5495, 0.4019



73.2157, 0.3693, 0.3669



22.8389, 0.4857, 0.2449



14.9823, 0.3791, 0.3725



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.



34.9919, 0.5495, 0.4019



35.2908, 0.5495, 0.4019



86.7201, 0.4254, 0.5005



19.4264, 0.3282, 0.3404



18.7355, 0.5469, 0.4040



2.0415, 0.5285, 0.4185

Inverse Universe

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



23.6710, 0.1781, 0.1612



23.8710, 0.1781, 0.1612



7.3413, 0.1504, 0.0614



18.9399, 0.2979, 0.3173



12.7741, 0.1789, 0.1640



1.4626, 0.1845, 0.1840

Previews

White Background



This preview shows how the Yxy color 34.9899, 0.5495, 0.4019 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 34.9899, 0.5495, 0.4019 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 34.9899, 0.5495, 0.4019

Background



This preview shows how black text looks on a background with the Yxy color 34.9899, 0.5495, 0.4019.



This preview shows how white text looks on a background with the Yxy color 34.9899, 0.5495, 0.4019.

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

34.9899, 0.5495, 0.4019

Protanopia

35.3754, 0.4360, 0.4827

Deuteranopia

35.0130, 0.4714, 0.4639



Tritanopia

34.9515, 0.4687, 0.3215

Trichromacy



Original Color

34.9899, 0.5495, 0.4019

Protanomaly

34.3118, 0.4807, 0.4515

Deuteranomaly

34.4219, 0.5022, 0.4394

Tritanomaly

34.7669, 0.5157, 0.3652

Monochromacy



Original Color

34.9899, 0.5495, 0.4019

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.8382, 0.4163, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9899, 0.5495, 0.4019 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(254, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 122, 0)  
}
```

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(254, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.9899, 0.5495, 0.4019 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(254, 122, 0) }
```

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

```
.border{ border-color:rgb(254, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9899, 0.5495, 0.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 122, 0) }
```

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

```
.background{ background-color: rgb(254,  
122, 0) }
```

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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