

Converting Colors

$Y_{xy}(34.9409, 0.5397, 0.4097)$

Have a look what the booklet for
Yxy(34.9409, 0.5397, 0.4097)
contains.

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Color

Yxy(34.9529, 0.5391, 0.4101)

Conversions

Conversions Part 1

Format	Color
Hex	F77F00
RGB	247, 127, 0
RGB Percent	97%, 50%, 0%
CMY	0.0314, 0.5019, 0.9993
CMYK	0.00, 0.49, 1.00, 0.03
HSL	31°, 100%, 48%
HSV	31°, 100%, 97%
XYZ	45.9476, 34.9529, 4.3297
YIQ	148.4020, 112.2870, -14.0570

Conversions

Conversions Part 2

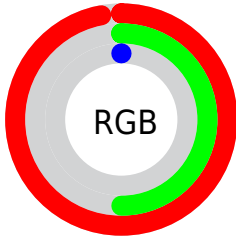
Format	Color
R _Y B	233, 247, 0
Decimal	16219904
CIE Lab	65.71, 40.21, 72.62
CIE LCh	66, 83.006, 61.027
Yxy	34.9529, 0.5391, 0.4101
Android (android.graphics.Color)	4294409984 (0xFFFF77F00)
YUV	148.4020, -73.1622, 86.4704
Hunter-Lab	59.1210, 35.2648, 37.0426

Details

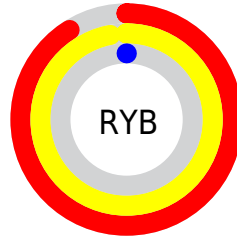
The Yxy color **34.9529, 0.5391, 0.4101** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **20.1898, 0.1751, 0.1503**, and the grayscale version is **30.0779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7756, 0.4629, 0.4303**, and **15.0994, 0.5667, 0.3882** is the 20% darker color. If you saturate the color by 10%, you get **34.9322, 0.5392, 0.4101**, and if you desaturate by 10%, it is **38.3130, 0.5199, 0.4170**.

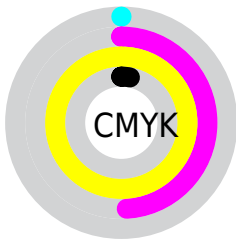
Distribution



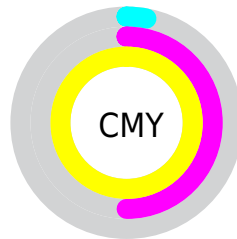
- Red (97%)
- Green (50%)
- Blue (0%)



- Red (91%)
- Yellow (97%)
- Blue (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (100%)
- Black (3%)





- Cyan (3%)
- Magenta (50%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9529, 0.5391, 0.4101 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 34.9529, 0.5391, 0.4101 by changing the saturation by 10% instead.


 34.9529, 0.5391,
0.4101


 34.9529, 0.5391,
0.4101


324.3604, 0.4314,
0.3873


 23.6266, 0.5603,
0.4085


 67.4128, 0.5036,
0.4072


 15.0569, 0.5850,
0.4034


 89.3152, 0.4890,
0.4045


 8.8593, 0.6099,
0.3901


 115.5117, 0.4762,
0.4015

 4.6495, 0.6352,
0.3648

 146.3868, 0.4650,
0.3984

 2.0431, 0.6732,
0.3268

 182.3248, 0.4551,
0.3955

 0.6324, 0.7423,
0.2577

 223.7101, 0.4463,


 0.0000, 1.0000,


0.3926

0.0000


 270.9272, 0.4384,
0.3899


 0.0000, 0.0000,
0.0000

 34.9529, 0.5391,
0.4101


 34.9529, 0.5391,
0.4101


 34.9322, 0.5392,
0.4101

 38.3130, 0.5199,
0.4170

 42.1410, 0.4969,
0.4189

 46.4771, 0.4710,
0.4153

 51.3489, 0.4438,
0.4074

 56.7809, 0.4170,
0.3962

■ 62.7953, 0.3916,
0.3832

■ 69.4127, 0.3683,
0.3693

■ 76.6528, 0.3474,
0.3553

■ 84.5337, 0.3288,
0.3418

Harmonies

Analogous

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



34.9529, 0.5469, 0.3313



34.9529, 0.5391, 0.4101



34.9529, 0.4660, 0.4965

Triad

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



34.9529, 0.5391, 0.4101



34.9529, 0.1666, 0.3924



34.9529, 0.2215, 0.1652

Complementary

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



34.9529, 0.5391, 0.4101



20.1898, 0.1751, 0.1503

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.



34.9529, 0.1520, 0.1579



34.9529, 0.5391, 0.4101



34.9529, 0.1240, 0.2567

Square

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



34.9529, 0.5391, 0.4101



34.9529, 0.2539, 0.5340



34.9529, 0.1212, 0.1835



34.9529, 0.3349, 0.2008

Rectangle

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



34.9529, 0.5391, 0.4101



34.9529, 0.3988, 0.5469



34.9529, 0.1212, 0.1835



34.9529, 0.1935, 0.1596

Sweetspot

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



34.9548, 0.5391, 0.4101



74.5388, 0.3685, 0.3695



21.2225, 0.4996, 0.2526



15.2947, 0.3781, 0.3754



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.



34.9548, 0.5391, 0.4101



37.5015, 0.5395, 0.4099



86.2945, 0.4193, 0.5052



17.8908, 0.3281, 0.3412



18.7607, 0.5367, 0.4120



1.8547, 0.5180, 0.4269

Inverse Universe

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



20.1898, 0.1751, 0.1503



21.6270, 0.1750, 0.1498



6.7203, 0.1500, 0.0600



17.2566, 0.2980, 0.3165



10.9478, 0.1759, 0.1531



1.1672, 0.1823, 0.1761

Previews

White Background



This preview shows how the Yxy color 34.9529, 0.5391, 0.4101 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 34.9529, 0.5391, 0.4101 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 34.9529, 0.5391, 0.4101

Background



This preview shows how black text looks on a background with the Yxy color 34.9529, 0.5391, 0.4101.



This preview shows how white text looks on a background with the Yxy color 34.9529, 0.5391, 0.4101.

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

34.9529, 0.5391, 0.4101

Protanopia

35.3676, 0.4365, 0.4834

Deuteranopia

35.0130, 0.4714, 0.4639



Tritanopia

34.9725, 0.4596, 0.3213

Trichromacy



Original Color

34.9529, 0.5391, 0.4101

Protanomaly

34.5031, 0.4759, 0.4561

Deuteranomaly

34.5503, 0.4972, 0.4434

Tritanomaly

34.5779, 0.5074, 0.3677

Monochromacy



Original Color

34.9529, 0.5391, 0.4101

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.7547, 0.4122, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9529, 0.5391, 0.4101 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(247, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 127, 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(247, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 127, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.9529, 0.5391, 0.4101 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(247, 127, 0) }
```

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

```
.border{ border-color:rgb(247, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 127,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9529, 0.5391, 0.4101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 127, 0) }
```

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

```
.background{ background-color: rgb(247,  
127, 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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