

Converting Colors

$Y_{xy}(35.0391, 0.5507, 0.4009)$

Have a look what the booklet for
Yxy(35.0391, 0.5507, 0.4009)
contains.

Yxy(34.9347, 0.5512, 0.4005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.9347, 0.5512, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	FF7900
RGB	255, 121, 0
RGB Percent	100%, 47%, 0%
CMY	0.0000, 0.5255, 0.9994
CMYK	0.00, 0.53, 1.00, 0.00
HSL	28°, 100%, 50%
HSV	28°, 100%, 100%
XYZ	48.0799, 34.9347, 4.2131
YIQ	147.2720, 118.7050, -9.2230

Conversions

Conversions Part 2

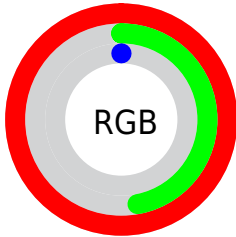
Format	Color
R_{YB}	255, 230, 0
Decimal	16742656
CIE Lab	65.70, 46.25, 73.21
CIE LCh	66, 86.596, 57.720
Yxy	34.9347, 0.5512, 0.4005
Android (android.graphics.Color)	4294932736 (0xFFFF7900)
YUV	147.2720, -72.6051, 94.4775
Hunter-Lab	59.1056, 41.7675, 37.1477

Details

The Yxy color **34.9347, 0.5512, 0.4005** 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 **24.3128, 0.1787, 0.1634**, and the grayscale version is **29.5734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7656, 0.4679, 0.4263**, and **15.0814, 0.5816, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **34.9157, 0.5513, 0.4005**, and if you desaturate by 10%, it is **38.4966, 0.5305, 0.4084**.

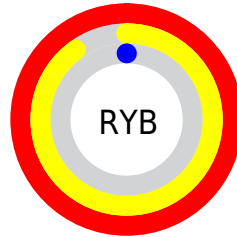
Distribution



Red (100%)

Green (47%)

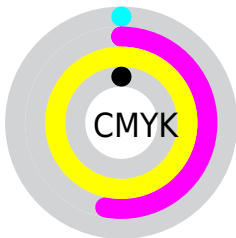
Blue (0%)



Red (100%)

Yellow (90%)

Blue (0%)

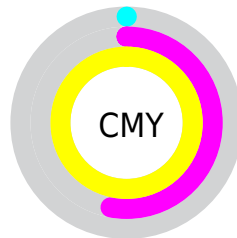


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9347, 0.5512, 0.4005 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 34.9347, 0.5512, 0.4005 by changing the saturation by 10% instead.

 34.9347, 0.5512,
0.4005


 34.9347, 0.5512,
0.4005


324.2800, 0.4377,
0.3840


 23.6126, 0.5735,
0.3971


 67.3846, 0.5138,
0.4001


 15.0465, 0.5998,
0.3901


 89.2812, 0.4985,
0.3983


 8.8520, 0.6260,
0.3740


 115.4713, 0.4850,
0.3960

 4.6448, 0.6539,
0.3461

 146.3395, 0.4731,
0.3936

 2.0404, 0.6950,
0.3050

 182.2700, 0.4627,
0.3911


 0.6308, 0.7670,
0.2330

 223.6474, 0.4534,

 0.0000, 1.0000,

0.3886


0.0000

 270.8559, 0.4451,
0.3862


 0.0000, 0.0000,
0.0000

 34.9347, 0.5512,
0.4005

 34.9347, 0.5512,
0.4005


 34.9157, 0.5513,
0.4005

 38.4966, 0.5305,
0.4084

 42.6229, 0.5056,
0.4113

 47.3594, 0.4776,
0.4087

 52.7396, 0.4485,
0.4016

 58.7932, 0.4201,
0.3914

65.5477, 0.3935,
0.3793

73.0284, 0.3693,
0.3664

81.2593, 0.3478,
0.3534

90.2629, 0.3290,
0.3408

Harmonies

Analogous

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



34.9347, 0.5514, 0.3213



34.9347, 0.5512, 0.4005



34.9347, 0.4795, 0.4899

Triad

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



34.9347, 0.5512, 0.4005



34.9347, 0.1686, 0.4134



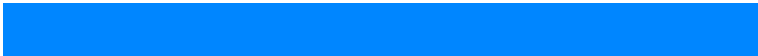
34.9347, 0.2080, 0.1581

Complementary

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



34.9347, 0.5512, 0.4005



24.3128, 0.1787, 0.1634

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.



34.9347, 0.1419, 0.1538



34.9347, 0.5512, 0.4005



34.9347, 0.1207, 0.2652

Square

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



34.9347, 0.5512, 0.4005



34.9347, 0.2621, 0.5548



34.9347, 0.1144, 0.1837



34.9347, 0.3205, 0.1913

Rectangle

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



34.9347, 0.5512, 0.4005



34.9347, 0.4112, 0.5464



34.9347, 0.1144, 0.1837



34.9347, 0.1810, 0.1534

Sweetspot

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



34.9355, 0.5512, 0.4005



72.9816, 0.3694, 0.3665



23.0429, 0.4856, 0.2449



14.9271, 0.3793, 0.3720



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.



34.9355, 0.5512, 0.4005



34.9157, 0.5513, 0.4005



87.4795, 0.4253, 0.5005



19.4078, 0.3282, 0.3403



18.5383, 0.5486, 0.4026



2.0219, 0.5301, 0.4173

Inverse Universe

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



24.3128, 0.1787, 0.1634



24.2919, 0.1787, 0.1633



7.4087, 0.1504, 0.0614



18.9586, 0.2979, 0.3174



12.9945, 0.1795, 0.1661



1.4841, 0.1850, 0.1859

Previews

White Background



This preview shows how the Yxy color 34.9347, 0.5512, 0.4005 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 34.9347, 0.5512, 0.4005 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 34.9347, 0.5512, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 34.9347, 0.5512, 0.4005.



This preview shows how white text looks on a background with the Yxy color 34.9347, 0.5512, 0.4005.

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

34.9347, 0.5512, 0.4005

Protanopia

34.9068, 0.4361, 0.4825

Deuteranopia

35.0130, 0.4714, 0.4639



Tritanopia

34.9266, 0.4699, 0.3226

Trichromacy



Original Color

34.9347, 0.5512, 0.4005

Protanomaly

33.8577, 0.4810, 0.4512

Deuteranomaly

34.4219, 0.5022, 0.4394

Tritanomaly

34.5326, 0.5166, 0.3643

Monochromacy



Original Color

34.9347, 0.5512, 0.4005

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.4242, 0.4159, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9347, 0.5512, 0.4005 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, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 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(255, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.9347, 0.5512, 0.4005 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, 121, 0) }
```

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

```
.border{ border-color:rgb(255, 121, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9347, 0.5512, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 0) }
```

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

```
.background{ background-color: rgb(255,  
121, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor