

Converting Colors

$Y_{xy}(35.0194, 0.5434, 0.3937)$

Have a look what the booklet for
Yxy(35.0194, 0.5434, 0.3937)
contains.

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Color

Yxy(35.0390, 0.5434, 0.3939)

Conversions

Conversions Part 1

Format	Color
Hex	FF7920
RGB	255, 121, 32
RGB Percent	100%, 47%, 13%
CMY	0.0000, 0.5255, 0.8747
CMYK	0.00, 0.53, 0.87, 0.00
HSL	24°, 100%, 56%
HSV	24°, 87%, 100%
XYZ	48.3376, 35.0390, 5.5774
YIQ	150.9200, 108.4330, 0.7290

Conversions

Conversions Part 2

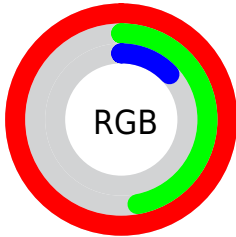
Format	Color
R _Y B	255, 180, 32
Decimal	16742688
CIE Lab	65.78, 46.61, 66.72
CIE LCh	66, 81.388, 55.064
Yxy	35.0390, 0.5434, 0.3939
Android (android.graphics.Color)	4294932768 (0xFFFF7920)
YUV	150.9200, -58.6276, 91.2782
Hunter-Lab	59.1937, 42.1741, 35.8491

Details

The Yxy color **35.0390, 0.5434, 0.3939** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **34.7730, 0.1936, 0.2086**, and the grayscale version is **31.1311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9988, 0.4582, 0.4152**, and **15.2106, 0.5822, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **31.5187, 0.5676, 0.3856**, and if you desaturate by 10%, it is **39.2603, 0.5139, 0.3969**.

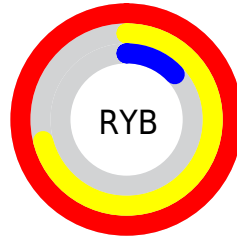
Distribution



Red (100%)

Green (47%)

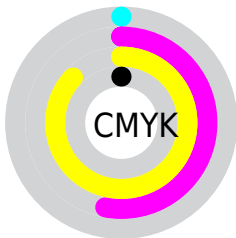
Blue (13%)



Red (100%)

Yellow (71%)

Blue (13%)

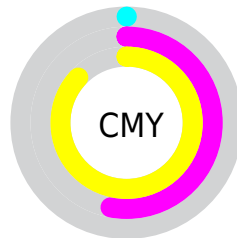


Cyan (0%)

Magenta (53%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0390, 0.5434, 0.3939 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 35.0390, 0.5434, 0.3939 by changing the saturation by 10% instead.


 35.0390, 0.5434,
0.3939


 35.0390, 0.5434,
0.3939


324.7404, 0.4311,
0.3777

 23.6929, 0.5668,
0.3915


 67.5462, 0.5054,
0.3928


 15.1060, 0.5934,
0.3848


 89.4761, 0.4901,
0.3909

 8.8938, 0.6267,
0.3733


 115.7027, 0.4769,
0.3887

 4.6720, 0.6547,
0.3453

 146.6104, 0.4653,
0.3864

 2.0561, 0.6959,
0.3041

 182.5837, 0.4552,
0.3841

 0.6398, 0.7672,
0.2328

 224.0068, 0.4462,

 0.0000, 1.0000,

0.3819

0.0000

271.2643, 0.4382,
0.3797

■ 0.0000, 0.0000,
0.0000

■ 35.0390, 0.5434,
0.3939

■ 35.0390, 0.5434,
0.3939

■ 31.5187, 0.5676,
0.3856

■ 39.2603, 0.5139,
0.3969


■ 30.7281, 0.5732,
0.3831


■ 44.2248, 0.4816,
0.3947

■ 49.9756, 0.4491,
0.3884

■ 56.5501, 0.4182,
0.3794

■ 63.9828, 0.3901,
0.3690

 72.3059, 0.3652,
0.3579

 81.5499, 0.3435,
0.3470

 91.7435, 0.3249,
0.3365

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



35.0390, 0.5335, 0.3175



35.0390, 0.5434, 0.3939



35.0390, 0.4820, 0.4781

Triad

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



35.0390, 0.5434, 0.3939



35.0390, 0.1832, 0.4222



35.0390, 0.2061, 0.1639

Complementary

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



35.0390, 0.5434, 0.3939



34.7730, 0.1936, 0.2086

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.



35.0390, 0.1455, 0.1626



35.0390, 0.5434, 0.3939



35.0390, 0.1317, 0.2802

Square

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



35.0390, 0.5434, 0.3939



35.0390, 0.2763, 0.5455



35.0390, 0.1217, 0.1960



35.0390, 0.3096, 0.1937

Rectangle

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



35.0390, 0.5434, 0.3939



35.0390, 0.4191, 0.5308



35.0390, 0.1217, 0.1960



35.0390, 0.1813, 0.1601

Sweetspot

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



35.0409, 0.5434, 0.3939



73.6107, 0.3618, 0.3563



25.1729, 0.4288, 0.2204



15.1066, 0.3698, 0.3601



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.



35.0409, 0.5434, 0.3939



30.7281, 0.5732, 0.3831



77.3894, 0.4357, 0.4851



19.1773, 0.3284, 0.3385



16.3285, 0.5702, 0.3854



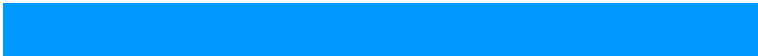
1.7965, 0.5494, 0.4020

Inverse Universe

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



34.7730, 0.1936, 0.2086



30.0602, 0.1861, 0.1898



10.5484, 0.1596, 0.0835



19.1930, 0.2979, 0.3193



16.0072, 0.1867, 0.1923



1.7724, 0.1915, 0.2094

Previews

White Background



This preview shows how the Yxy color 35.0390, 0.5434, 0.3939 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 35.0390, 0.5434, 0.3939 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 35.0390, 0.5434, 0.3939

Background



This preview shows how black text looks on a background with the Yxy color 35.0390, 0.5434, 0.3939.



This preview shows how white text looks on a background with the Yxy color 35.0390, 0.5434, 0.3939.

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

35.0390, 0.5434, 0.3939

Protanopia

35.3602, 0.4283, 0.4735

Deuteranopia

35.1530, 0.4724, 0.4631



Tritanopia

34.9515, 0.4687, 0.3215

Trichromacy



Original Color

35.0390, 0.5434, 0.3939

Protanomaly

33.9631, 0.4735, 0.4422

Deuteranomaly

34.6059, 0.5011, 0.4366

Tritanomaly

34.7208, 0.5049, 0.3545

Monochromacy



Original Color

35.0390, 0.5434, 0.3939

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.6577, 0.4029, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0390, 0.5434, 0.3939 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 32) }
```

Border

The CSS property to change the border of an element to Yxy 35.0390, 0.5434, 0.3939 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, 32) }
```

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

```
.border{ border-color:rgb(255, 121, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
32) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 35.0390, 0.5434, 0.3939$ 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, 32) }
```

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

```
.background{ background-color: rgb(255,  
121, 32) }
```

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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