

Converting Colors

$Y_{xy}(38.5324, 0.5235, 0.4225)$

Have a look what the booklet for
Yxy(38.5324, 0.5235, 0.4225)
contains.

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Color

Yxy(38.5303, 0.5235, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	F78C00
RGB	247, 140, 0
RGB Percent	97%, 55%, 0%
CMY	0.0313, 0.4510, 0.9994
CMYK	0.00, 0.43, 1.00, 0.03
HSL	34°, 100%, 48%
HSV	34°, 100%, 97%
XYZ	47.7411, 38.5303, 4.9246
YIQ	156.0330, 108.7120, -20.8560

Conversions

Conversions Part 2

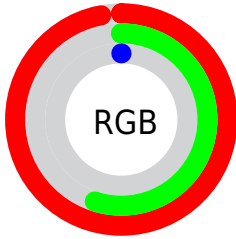
Format	Color
RYB	189, 247, 0
Decimal	16223232
CIELab	68.41, 33.62, 74.28
CIElCh	68, 81.531, 65.647
Yxy	38.5303, 0.5235, 0.4225
Android (android.graphics.Color)	4294413312 (0xFFFF78C00)
YUV	156.0330, -76.9243, 79.7781
Hunter-Lab	62.0728, 28.6596, 38.7471

Details

The Yxy color **38.5303, 0.5235, 0.4225** 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 **17.2667, 0.1704, 0.1333**, and the grayscale version is **33.5830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3380, 0.4509, 0.4405**, and **17.3351, 0.5454, 0.4051** is the 20% darker color. If you saturate the color by 10%, you get **38.5142, 0.5236, 0.4225**, and if you desaturate by 10%, it is **41.8847, 0.5066, 0.4282**.

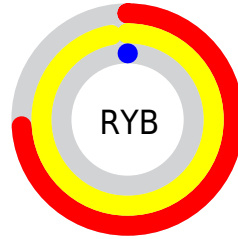
Distribution



Red (97%)

Green (55%)

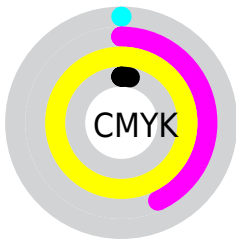
Blue (0%)



Red (74%)

Yellow (97%)

Blue (0%)

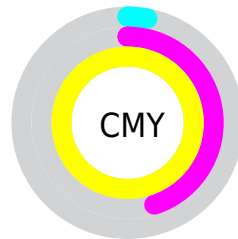


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5303, 0.5235, 0.4225 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 38.5303, 0.5235, 0.4225 by changing the saturation by 10% instead.


 38.5303, 0.5235,
0.4225

 38.5303, 0.5235,
0.4225


339.8894, 0.4252,
0.3924


 26.3945, 0.5424,
0.4232


 72.9202, 0.4915,
0.4166

 17.1190, 0.5635,
0.4207


 95.9432, 0.4782,
0.4128


 10.3194, 0.5869,
0.4131


 123.3640, 0.4666,
0.4090

 5.6112, 0.6070,
0.3930

 155.5670, 0.4563,
0.4053

 2.6102, 0.6369,
0.3631

 192.9366, 0.4471,
0.4017


 0.9318, 0.6859,
0.3141

 235.8573, 0.4390,


 0.0000, 1.0000,


0.3984


0.0000

 284.7134, 0.4317,
0.3953

 0.0000, 0.0000,
0.0000


 38.5303, 0.5235,
0.4225

 38.5303, 0.5235,
0.4225


 38.5142, 0.5236,
0.4225

 41.8847, 0.5066,
0.4282

 45.6376, 0.4862,
0.4288

 49.8258, 0.4629,
0.4241

 54.4733, 0.4382,
0.4150

 59.6013, 0.4133,
0.4027

■ 65.2288, 0.3894,
0.3884

■ 71.3735, 0.3671,
0.3733

■ 78.0520, 0.3469,
0.3580

■ 85.2798, 0.3287,
0.3431

Harmonies

Analogous

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



38.5303, 0.5409, 0.3445



38.5303, 0.5235, 0.4225



38.5303, 0.4482, 0.5042

Triad

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



38.5303, 0.5235, 0.4225



38.5303, 0.1636, 0.3670



38.5303, 0.2398, 0.1745

Complementary

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



38.5303, 0.5235, 0.4225



17.2667, 0.1704, 0.1333

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.



38.5303, 0.1656, 0.1632



38.5303, 0.5235, 0.4225



38.5303, 0.1280, 0.2462

Square

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



38.5303, 0.5235, 0.4225



38.5303, 0.2427, 0.5065



38.5303, 0.1301, 0.1831



38.5303, 0.3538, 0.2132

Rectangle

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



38.5303, 0.5235, 0.4225



38.5303, 0.3820, 0.5459



38.5303, 0.1301, 0.1831



38.5303, 0.2103, 0.1676

Sweetspot

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



38.5324, 0.5235, 0.4225



76.6505, 0.3674, 0.3734



20.9332, 0.5211, 0.2645



15.7950, 0.3765, 0.3799



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.



38.5324, 0.5235, 0.4225



41.3451, 0.5238, 0.4223



84.1388, 0.4105, 0.5123



18.0406, 0.3279, 0.3424



20.6536, 0.5214, 0.4242



2.0194, 0.5051, 0.4372

Inverse Universe

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



17.2667, 0.1704, 0.1333



18.4895, 0.1703, 0.1329



6.8012, 0.1511, 0.0606



17.1084, 0.2980, 0.3152



9.3914, 0.1712, 0.1363



1.0257, 0.1779, 0.1605

Previews

White Background



This preview shows how the Yxy color 38.5303, 0.5235, 0.4225 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 38.5303, 0.5235, 0.4225 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 38.5303, 0.5235, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 38.5303, 0.5235, 0.4225.



This preview shows how white text looks on a background with the Yxy color 38.5303, 0.5235, 0.4225.

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

38.5303, 0.5235, 0.4225

Protanopia

38.8746, 0.4373, 0.4841

Deuteranopia

38.6452, 0.4713, 0.4639



Tritanopia

38.5248, 0.4385, 0.3200

Trichromacy



Original Color

38.5303, 0.5235, 0.4225

Protanomaly

38.1844, 0.4697, 0.4614

Deuteranomaly

38.3038, 0.4911, 0.4482

Tritanomaly

38.0955, 0.4876, 0.3734

Monochromacy



Original Color

38.5303, 0.5235, 0.4225

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.5324, 0.4057, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5303, 0.5235, 0.4225 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, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 140, 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, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 140, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.5303, 0.5235, 0.4225 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, 140, 0) }
```

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

```
.border{ border-color:rgb(247, 140, 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, 140, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 140,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5303, 0.5235, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 140, 0) }
```

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

```
.background{ background-color: rgb(247,  
140, 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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