

Converting Colors

$Y_{xy}(42.2474, 0.5103, 0.4139)$

Have a look what the booklet for
Yxy(42.2474, 0.5103, 0.4139)
contains.

Yxy(42.3019, 0.5103, 0.4143)	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(42.3019, 0.5103, 0.4143)

Conversions

Conversions Part 1

Format	Color
Hex	FF932B
RGB	255, 147, 43
RGB Percent	100%, 58%, 17%
CMY	0.0001, 0.4234, 0.8316
CMYK	0.00, 0.42, 0.83, 0.00
HSL	29°, 100%, 58%
HSV	29°, 83%, 100%
XYZ	52.1039, 42.3019, 7.6987
YIQ	167.4360, 97.7520, -9.4480

Conversions

Conversions Part 2

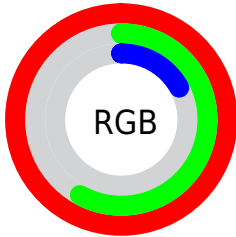
Format	Color
R _Y B	255, 247, 43
Decimal	16749355
CIE Lab	71.08, 33.87, 67.43
CIE LCh	71, 75.463, 63.329
Yxy	42.3019, 0.5103, 0.4143
Android (android.graphics.Color)	4294939435 (0xFFFF932B)
YUV	167.4360, -61.3469, 76.7936
Hunter-Lab	65.0399, 29.1778, 38.5099

Details

The Yxy color **42.3019, 0.5103, 0.4143** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **29.8338, 0.1896, 0.1880**, and the grayscale version is **39.1367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3829, 0.4318, 0.4306**, and **19.3909, 0.5426, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **38.3589, 0.5331, 0.4100**, and if you desaturate by 10%, it is **46.8218, 0.4839, 0.4130**.

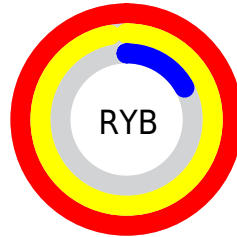
Distribution



Red (100%)

Green (58%)

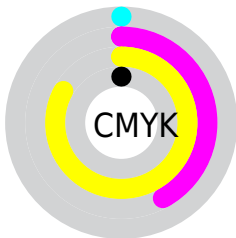
Blue (17%)



Red (100%)

Yellow (97%)

Blue (17%)

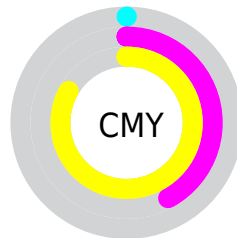


Cyan (0%)

Magenta (42%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3019, 0.5103, 0.4143 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 42.3019, 0.5103, 0.4143 by changing the saturation by 10% instead.


 42.3019, 0.5103,
0.4143


 42.3019, 0.5103,
0.4143


355.7329, 0.4168,
0.3850

 29.3378, 0.5295,
0.4163


 78.6563, 0.4790,
0.4075


 19.3365, 0.5512,
0.4160


 102.8154, 0.4664,
0.4038


 11.9137, 0.5785,
0.4133


 131.4749, 0.4553,
0.4001

 6.6849, 0.6016,
0.3984

 165.0193, 0.4457,
0.3967

 3.2658, 0.6285,
0.3715

 203.8329, 0.4371,
0.3934

 1.2720, 0.6712,
0.3288

 248.3001, 0.4296,

 0.1194, 0.8877,

0.3904

0.1123

298.8053, 0.4228,
0.3876

■ 0.0000, 0.0000,
0.0000

■ 42.3019, 0.5103,
0.4143

■ 42.3019, 0.5103,
0.4143

■ 38.3589, 0.5331,
0.4100

■ 46.8218, 0.4839,
0.4130


■ 35.9628, 0.5463,
0.4044


■ 51.9451, 0.4558,
0.4069


■ 57.7032, 0.4277,
0.3971

■ 64.1230, 0.4009,
0.3851

■ 71.2288, 0.3763,
0.3720

 79.0439, 0.3542,
0.3585

 87.5899, 0.3347,
0.3454

 96.8876, 0.3176,
0.3328

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



42.3019, 0.5173, 0.3416



42.3019, 0.5103, 0.4143



42.3019, 0.4471, 0.4873

Triad

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



42.3019, 0.5103, 0.4143



42.3019, 0.1816, 0.3742



42.3019, 0.2402, 0.1845

Complementary

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



42.3019, 0.5103, 0.4143



29.8338, 0.1896, 0.1880

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.



42.3019, 0.1735, 0.1763



42.3019, 0.5103, 0.4143



42.3019, 0.1437, 0.2624

Square

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



42.3019, 0.5103, 0.4143



42.3019, 0.2584, 0.4925



42.3019, 0.1423, 0.1988



42.3019, 0.3418, 0.2191

Rectangle

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



42.3019, 0.5103, 0.4143



42.3019, 0.3878, 0.5233



42.3019, 0.1423, 0.1988



42.3019, 0.2138, 0.1787

Sweetspot

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



42.3041, 0.5103, 0.4143



77.5630, 0.3581, 0.3610



25.2634, 0.4538, 0.2398



16.0063, 0.3657, 0.3657



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.



42.3041, 0.5103, 0.4143



35.9688, 0.5463, 0.4044



90.7043, 0.4175, 0.4963



19.4593, 0.3282, 0.3407



19.0917, 0.5437, 0.4065



2.0769, 0.5258, 0.4207

Inverse Universe

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



29.8338, 0.1896, 0.1880



23.1416, 0.1771, 0.1576



9.7227, 0.1601, 0.0777



18.9069, 0.2979, 0.3170



12.3918, 0.1779, 0.1604



1.4252, 0.1836, 0.1808

Previews

White Background



This preview shows how the Yxy color 42.3019, 0.5103, 0.4143 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 42.3019, 0.5103, 0.4143 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 42.3019, 0.5103, 0.4143

Background



This preview shows how black text looks on a background with the Yxy color 42.3019, 0.5103, 0.4143.



This preview shows how white text looks on a background with the Yxy color 42.3019, 0.5103, 0.4143.

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

42.3019, 0.5103, 0.4143

Protanopia

42.6260, 0.4273, 0.4710

Deuteranopia

42.2414, 0.4657, 0.4548



Tritanopia

42.1861, 0.4250, 0.3200

Trichromacy



Original Color

42.3019, 0.5103, 0.4143

Protanomaly

41.8672, 0.4580, 0.4503

Deuteranomaly

41.9109, 0.4835, 0.4389

Tritanomaly

42.0307, 0.4647, 0.3625

Monochromacy



Original Color

42.3019, 0.5103, 0.4143

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.6889, 0.3882, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3019, 0.5103, 0.4143 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, 147, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 43)  
}
```

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, 147, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 43) }
```

Border

The CSS property to change the border of an element to Yxy 42.3019, 0.5103, 0.4143 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, 147, 43) }
```

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

```
.border{ border-color:rgb(255, 147, 43) }
```

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

Here you see how a box with a 4 pixel rgb(255, 147, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3019, 0.5103, 0.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 43) }
```

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

```
.background{ background-color: rgb(255,  
147, 43) }
```

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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