

Converting Colors

Yxy(43.3638, 0.5164, 0.4282)

Have a look what the booklet for
Yxy(43.3638, 0.5164, 0.4282)
contains.

Yxy(43.3932, 0.5163, 0.4283)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(43.3932, 0.5163, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	FF9700
RGB	255, 151, 0
RGB Percent	100%, 59%, 0%
CMY	0.0000, 0.4078, 1.0000
CMYK	0.00, 0.41, 1.00, 0.00
HSL	36°, 100%, 50%
HSV	36°, 100%, 100%
XYZ	52.3089, 43.3932, 5.6128
YIQ	164.8820, 110.4550, -24.9130

Conversions

Conversions Part 2

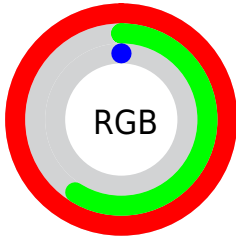
Format	Color
RYB	176, 255, 0
Decimal	16750336
CIELab	71.82, 31.21, 76.98
CIELCh	72, 83.067, 67.933
Yxy	43.3932, 0.5163, 0.4283
Android (android.graphics.Color)	4294940416 (0xFFFF9700)
YUV	164.8820, -81.2868, 79.0335
Hunter-Lab	65.8735, 26.4648, 41.0596

Details

The Yxy color **43.3932, 0.5163, 0.4283** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **17.1202, 0.1681, 0.1251**, and the grayscale version is **37.9251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9384, 0.4400, 0.4488**, and **20.0000, 0.5357, 0.4129** is the 20% darker color. If you saturate the color by 10%, you get **43.3939, 0.5163, 0.4283**, and if you desaturate by 10%, it is **46.9628, 0.5005, 0.4334**.

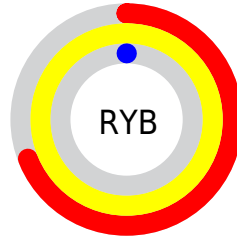
Distribution



Red (100%)

Green (59%)

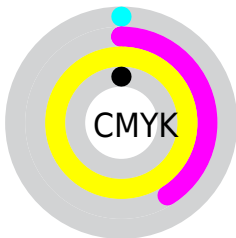
Blue (0%)



Red (69%)

Yellow (100%)

Blue (0%)

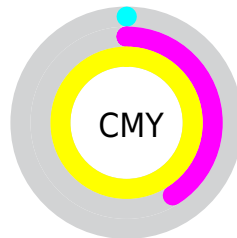


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3932, 0.5163, 0.4283 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 43.3932, 0.5163, 0.4283 by changing the saturation by 10% instead.

 43.3932, 0.5163,
0.4283


 43.3932, 0.5163,
0.4283


360.2263, 0.4237,
0.3955


 30.1937, 0.5337,
0.4300


 80.3039, 0.4865,
0.4212

 19.9857, 0.5526,
0.4289


 104.7839, 0.4741,
0.4171

 12.3846, 0.5752,
0.4248


 133.7929, 0.4631,
0.4130

 7.0062, 0.5920,
0.4080

 167.7152, 0.4533,
0.4091

 3.4660, 0.6165,
0.3835

 206.9354, 0.4447,
0.4053


 1.3796, 0.6555,
0.3445

 251.8377, 0.4369,


 0.2016, 0.8262,


0.4018


0.1738


 302.8065, 0.4299,
0.3985


 0.0000, 0.0000,
0.0000

 43.3932, 0.5163,
0.4283


 43.3932, 0.5163,
0.4283


 43.3939, 0.5163,
0.4283

 46.9628, 0.5005,
0.4334

 50.9286, 0.4815,
0.4336

 55.3272, 0.4594,
0.4284

 60.1831, 0.4358,
0.4188

 65.5177, 0.4118,
0.4060

71.3503, 0.3886,
0.3912

77.6987, 0.3668,
0.3753

84.5794, 0.3468,
0.3594

92.0083, 0.3288,
0.3438

Harmonies

Analogous

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



43.3932, 0.5381, 0.3507



43.3932, 0.5163, 0.4283



43.3932, 0.4399, 0.5075

Triad

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



43.3932, 0.5163, 0.4283



43.3932, 0.1621, 0.3557



43.3932, 0.2485, 0.1788

Complementary

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



43.3932, 0.5163, 0.4283



17.1202, 0.1681, 0.1251

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.



43.3932, 0.1720, 0.1655



43.3932, 0.5163, 0.4283



43.3932, 0.1298, 0.2415

Square

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



43.3932, 0.5163, 0.4283



43.3932, 0.2373, 0.4937



43.3932, 0.1342, 0.1828



43.3932, 0.3627, 0.2190

Rectangle

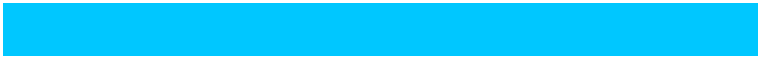
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.3932, 0.5163, 0.4283



43.3932, 0.3740, 0.5448



43.3932, 0.1342, 0.1828



43.3932, 0.2183, 0.1713

Sweetspot

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



43.3939, 0.5163, 0.4283



77.6987, 0.3668, 0.3753



22.3058, 0.5357, 0.2725



16.0441, 0.3758, 0.3821



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.



43.3939, 0.5163, 0.4283



88.9701, 0.4045, 0.5170



19.7755, 0.3279, 0.3431



22.9753, 0.5142, 0.4299



2.4520, 0.5004, 0.4409

Inverse Universe

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



17.1202, 0.1681, 0.1251



7.3822, 0.1520, 0.0611



18.5942, 0.2979, 0.3145



9.2212, 0.1689, 0.1282



1.1061, 0.1751, 0.1504

Previews

White Background



This preview shows how the Yxy color 43.3932, 0.5163, 0.4283 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 43.3932, 0.5163, 0.4283 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 43.3932, 0.5163, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 43.3932, 0.5163, 0.4283.



This preview shows how white text looks on a background with the Yxy color 43.3932, 0.5163, 0.4283.

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

43.3932, 0.5163, 0.4283

Protanopia

43.6369, 0.4376, 0.4846

Deuteranopia

43.3254, 0.4727, 0.4628



Tritanopia

43.5064, 0.4188, 0.3199

Trichromacy



Original Color

43.3932, 0.5163, 0.4283

Protanomaly

43.0944, 0.4665, 0.4644

Deuteranomaly

43.1519, 0.4896, 0.4495

Tritanomaly

42.9905, 0.4739, 0.3785

Monochromacy



Original Color

43.3932, 0.5163, 0.4283

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.1673, 0.4031, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3932, 0.5163, 0.4283 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, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 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, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.3932, 0.5163, 0.4283 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, 151, 0) }
```

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

```
.border{ border-color:rgb(255, 151, 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, 151, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 43.3932, 0.5163, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 0) }
```

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

```
.background{ background-color: rgb(255,  
151, 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