

Converting Colors

$Y_{xy}(38.7881, 0.5082, 0.4580)$

Have a look what the booklet for
Yxy(38.7881, 0.5082, 0.4580)
contains.

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Color

Yxy(39.1145, 0.4953, 0.4449)

Conversions

Conversions Part 1

Format	Color
Hex	E59800
RGB	229, 152, 0
RGB Percent	90%, 60%, 0%
CMY	0.1019, 0.4039, 0.9996
CMYK	0.00, 0.34, 1.00, 0.10
HSL	40°, 100%, 45%
HSV	40°, 100%, 90%
XYZ	43.5455, 39.1145, 5.2575
YIQ	157.6950, 94.6840, -30.9480

Conversions

Conversions Part 2

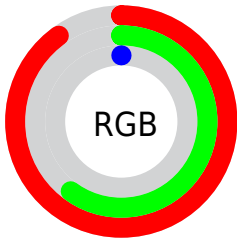
Format	Color
R_{YB}	116, 229, 0
Decimal	15046656
CIE _{Lab}	68.83, 19.79, 73.44
CIE _{LCh}	69, 76.057, 74.919
Yxy	39.1145, 0.4953, 0.4449
Android (android.graphics.Color)	4293236736 (0xFFE59800)
YUV	157.6950, -77.7436, 62.5345
Hunter-Lab	62.5416, 14.8356, 38.7950

Details

The Yxy color **39.1145, 0.4953, 0.4449** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **10.9840, 0.1629, 0.1065**, and the grayscale version is **34.3802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9244, 0.4405, 0.4494**, and **17.5229, 0.5095, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **39.1045, 0.4953, 0.4449**, and if you desaturate by 10%, it is **41.7612, 0.4825, 0.4478**.

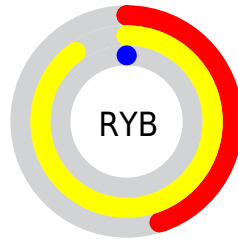
Distribution



Red (90%)

Green (60%)

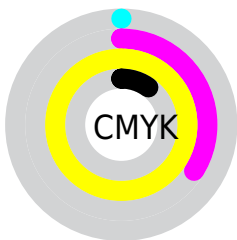
Blue (0%)



Red (45%)

Yellow (90%)

Blue (0%)

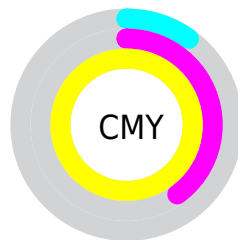


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1145, 0.4953, 0.4449 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 39.1145, 0.4953, 0.4449 by changing the saturation by 10% instead.


 39.1145, 0.4953,
0.4449


 39.1145, 0.4953,
0.4449

342.3770, 0.4112,
0.4002


 26.8488, 0.5111,
0.4498


 73.8132, 0.4682,
0.4331

 17.4597, 0.5280,
0.4525


 97.0150, 0.4568,
0.4273


 10.5628, 0.5475,
0.4525


 124.6310, 0.4468,
0.4218

 5.7737, 0.5601,
0.4399

 157.0455, 0.4380,
0.4168

 2.7080, 0.5795,
0.4205

 194.6430, 0.4301,
0.4121

 0.9812, 0.6126,
0.3874


 237.8078, 0.4231,


 0.0000, 1.0000,


0.4078


0.0000


 286.9244, 0.4168,
0.4038


 0.0000, 0.0000,
0.0000

 39.1145, 0.4953,
0.4449


 39.1145, 0.4953,
0.4449

 39.1045, 0.4953,
0.4449

 41.7612, 0.4825,
0.4478

 44.6444, 0.4667,
0.4461

 47.7922, 0.4480,
0.4393

 51.2207, 0.4275,
0.4282

 54.9441, 0.4062,
0.4140

■ 58.9749, 0.3851,
0.3976

■ 63.3247, 0.3648,
0.3802

■ 68.0042, 0.3458,
0.3626

■ 73.0233, 0.3284,
0.3454

Harmonies

Analogous

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



39.1145, 0.5294, 0.3688



39.1145, 0.4953, 0.4449



39.1145, 0.4154, 0.5155

Triad

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



39.1145, 0.4953, 0.4449



39.1145, 0.1578, 0.3255



39.1145, 0.2745, 0.1915

Complementary

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



39.1145, 0.4953, 0.4449



10.9840, 0.1629, 0.1065

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.



39.1145, 0.1915, 0.1723



39.1145, 0.4953, 0.4449



39.1145, 0.1348, 0.2287

Square

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



39.1145, 0.4953, 0.4449



39.1145, 0.2216, 0.4568



39.1145, 0.1464, 0.1820



39.1145, 0.3883, 0.2359

Rectangle

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



39.1145, 0.4953, 0.4449



39.1145, 0.3502, 0.5390



39.1145, 0.1464, 0.1820



39.1145, 0.2425, 0.1821

Sweetspot

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



39.1165, 0.4953, 0.4449



80.6777, 0.3652, 0.3806



17.2454, 0.5610, 0.2865



16.7545, 0.3737, 0.3880



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.



39.1165, 0.4953, 0.4449



49.7118, 0.4959, 0.4445



67.6066, 0.3927, 0.5263



15.9574, 0.3276, 0.3445



22.5856, 0.4939, 0.4461



1.8388, 0.4802, 0.4569

Inverse Universe

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



10.9840, 0.1629, 0.1065



13.8431, 0.1626, 0.1054



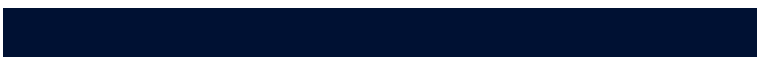
6.0080, 0.1554, 0.0630



14.6756, 0.2981, 0.3130



6.4722, 0.1637, 0.1091



0.6449, 0.1718, 0.1384

Previews

White Background



This preview shows how the Yxy color 39.1145, 0.4953, 0.4449 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 39.1145, 0.4953, 0.4449 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 39.1145, 0.4953, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 39.1145, 0.4953, 0.4449.



This preview shows how white text looks on a background with the Yxy color 39.1145, 0.4953, 0.4449.

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

39.1145, 0.4953, 0.4449

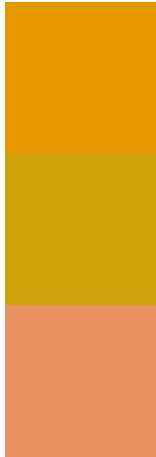
Protanopia

39.3576, 0.4381, 0.4856

Tritanopia

38.9789, 0.4019, 0.3168

Trichromacy



Original Color

39.1145, 0.4953, 0.4449

Protanomaly

39.0537, 0.4589, 0.4709

Tritanomaly

38.4375, 0.4560, 0.3820

Monochromacy



Original Color

39.1145, 0.4953, 0.4449

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.9069, 0.3946, 0.4051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1145, 0.4953, 0.4449 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(229, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 152, 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(229, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 152, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.1145, 0.4953, 0.4449 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(229, 152, 0) }
```

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

```
.border{ border-color:rgb(229, 152, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 152,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 39.1145, 0.4953, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 152, 0) }
```

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

```
.background{ background-color: rgb(229,  
152, 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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