

Converting Colors

$Y_{xy}(30.9390, 0.5279, 0.4191)$

Have a look what the booklet for
Yxy(30.9390, 0.5279, 0.4191)
contains.

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Color

Yxy(30.9981, 0.5276, 0.4192)

Conversions

Conversions Part 1

Format	Color
Hex	E37D00
RGB	227, 125, 0
RGB Percent	89%, 49%, 0%
CMY	0.1098, 0.5098, 0.9990
CMYK	0.00, 0.45, 1.00, 0.11
HSL	33°, 100%, 45%
HSV	33°, 100%, 89%
XYZ	39.0138, 30.9981, 3.9339
YIQ	141.2480, 100.9170, -17.2510

Conversions

Conversions Part 2

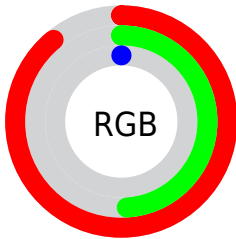
Format	Color
RYB	185, 227, 0
Decimal	14908672
CIELab	62.51, 33.20, 69.24
CIElCh	63, 76.786, 64.381
Yxy	30.9981, 0.5276, 0.4192
Android (android.graphics.Color)	4293098752 (0xFFE37D00)
YUV	141.2480, -69.6353, 75.2045
Hunter-Lab	55.6759, 27.6475, 34.7839

Details

The Yxy color **30.9981, 0.5276, 0.4192** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **15.0996, 0.1721, 0.1394**, and the grayscale version is **26.9999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5430, 0.4666, 0.4288**, and **13.0315, 0.5527, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **30.9707, 0.5278, 0.4191**, and if you desaturate by 10%, it is **33.7807, 0.5098, 0.4249**.

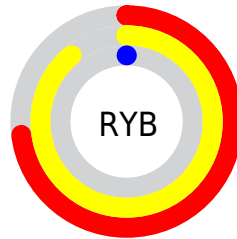
Distribution



Red (89%)

Green (49%)

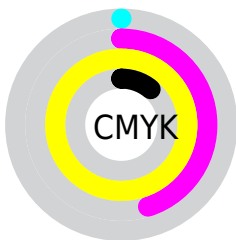
Blue (0%)



Red (73%)

Yellow (89%)

Blue (0%)

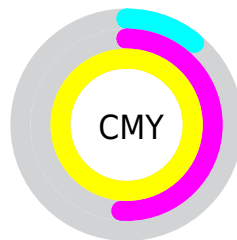


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9981, 0.5276, 0.4192 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 30.9981, 0.5276, 0.4192 by changing the saturation by 10% instead.

 30.9981, 0.5276,
0.4192


 30.9981, 0.5276,
0.4192


306.5296, 0.4232,
0.3894

 20.5974, 0.5485,
0.4192


 61.2371, 0.4928,
0.4136

 12.8300, 0.5741,
0.4167


 81.8442, 0.4786,
0.4099

 7.3116, 0.5966,
0.4034


 106.6221, 0.4662,
0.4060

 3.6577, 0.6216,
0.3784

 135.9554, 0.4553,
0.4023

 1.4840, 0.6608,
0.3392

 170.2284, 0.4458,
0.3987


 0.2774, 0.7980,
0.2020

 209.8255, 0.4374,


 0.0000, 1.0000,


0.3954

0.0000


 255.1311, 0.4299,
0.3923


 0.0000, 0.0000,
0.0000


 30.9981, 0.5276,
0.4192

 30.9981, 0.5276,
0.4192

 30.9707, 0.5278,
0.4191

 33.7807, 0.5098,
0.4249

 36.9068, 0.4885,
0.4257

 40.4080, 0.4644,
0.4212

 44.3045, 0.4390,
0.4123

 48.6142, 0.4137,
0.4003

■ 53.3533, 0.3895,
0.3865

■ 58.5369, 0.3671,
0.3718

■ 64.1792, 0.3467,
0.3569

■ 70.2933, 0.3286,
0.3425

Harmonies

Analogous

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



30.9981, 0.5424, 0.3410



30.9981, 0.5276, 0.4192



30.9981, 0.4530, 0.5022

Triad

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



30.9981, 0.5276, 0.4192



30.9981, 0.1645, 0.3736



30.9981, 0.2349, 0.1721

Complementary

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



30.9981, 0.5276, 0.4192



15.0996, 0.1721, 0.1394

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.



30.9981, 0.1620, 0.1618



30.9981, 0.5276, 0.4192



30.9981, 0.1270, 0.2490

Square

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



30.9981, 0.5276, 0.4192



30.9981, 0.2457, 0.5138



30.9981, 0.1278, 0.1832



30.9981, 0.3487, 0.2099

Rectangle

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



30.9981, 0.5276, 0.4192



30.9981, 0.3866, 0.5463



30.9981, 0.1278, 0.1832



30.9981, 0.2058, 0.1655

Sweetspot

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



30.9998, 0.5276, 0.4192



75.9902, 0.3677, 0.3722



17.3017, 0.5199, 0.2638



15.6384, 0.3770, 0.3785



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.



30.9998, 0.5276, 0.4192



40.1023, 0.5286, 0.4185



69.4875, 0.4105, 0.5122



15.6759, 0.3279, 0.3419



18.2982, 0.5257, 0.4208



1.5371, 0.5060, 0.4365

Inverse Universe

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



15.0996, 0.1721, 0.1394



19.4145, 0.1717, 0.1380



5.6268, 0.1512, 0.0607



14.9494, 0.2981, 0.3157



9.0150, 0.1728, 0.1419



0.8495, 0.1805, 0.1699

Previews

White Background



This preview shows how the Yxy color 30.9981, 0.5276, 0.4192 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 30.9981, 0.5276, 0.4192 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 30.9981, 0.5276, 0.4192

Background



This preview shows how black text looks on a background with the Yxy color 30.9981, 0.5276, 0.4192.



This preview shows how white text looks on a background with the Yxy color 30.9981, 0.5276, 0.4192.

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

30.9981, 0.5276, 0.4192

Protanopia

31.1614, 0.4366, 0.4835

Deuteranopia

31.1530, 0.4719, 0.4635



Tritanopia

30.9349, 0.4437, 0.3204

Trichromacy



Original Color

30.9981, 0.5276, 0.4192

Protanomaly

30.4489, 0.4713, 0.4596

Deuteranomaly

30.8705, 0.4934, 0.4464

Tritanomaly

30.5812, 0.4933, 0.3712

Monochromacy



Original Color

30.9981, 0.5276, 0.4192

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.8368, 0.4062, 0.3960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9981, 0.5276, 0.4192 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(227, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 125, 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(227, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.9981, 0.5276, 0.4192 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(227, 125, 0) }
```

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

```
.border{ border-color:rgb(227, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 125,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9981, 0.5276, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 125, 0) }
```

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

```
.background{ background-color: rgb(227,  
125, 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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