

Converting Colors

$Y_{xy}(41.1895, 0.4972, 0.4385)$

Have a look what the booklet for
Yxy(41.1895, 0.4972, 0.4385)
contains.

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Color

Yxy(41.1594, 0.4966, 0.4388)

Conversions

Conversions Part 1

Format	Color
Hex	ED9A12
RGB	237, 154, 18
RGB Percent	93%, 60%, 7%
CMY	0.0707, 0.3960, 0.9296
CMYK	0.00, 0.35, 0.92, 0.07
HSL	37°, 86%, 50%
HSV	37°, 92%, 93%
XYZ	46.5810, 41.1594, 6.0595
YIQ	163.3130, 93.1240, -24.7000

Conversions

Conversions Part 2

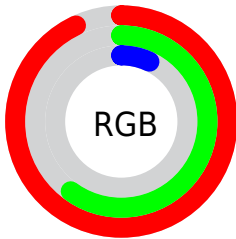
Format	Color
RYB	152, 237, 18
Decimal	15571474
CIELab	70.29, 22.28, 72.41
CIELCh	70, 75.764, 72.898
Yxy	41.1594, 0.4966, 0.4388
Android (android.graphics.Color)	4293761554 (0xFFED9A12)
YUV	163.3130, -71.6393, 64.6235
Hunter-Lab	64.1556, 17.3301, 39.3090

Details

The Yxy color **41.1594, 0.4966, 0.4388** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **15.5278, 0.1714, 0.1319**, and the grayscale version is **37.0935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9963, 0.4356, 0.4466**, and **18.8145, 0.5145, 0.4297** is the 20% darker color. If you saturate the color by 10%, you get **38.9360, 0.5074, 0.4353**, and if you desaturate by 10%, it is **44.3573, 0.4797, 0.4394**.

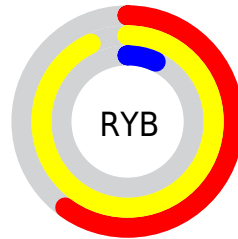
Distribution



Red (93%)

Green (60%)

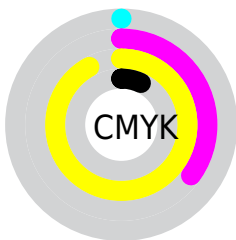
Blue (7%)



Red (60%)

Yellow (93%)

Blue (7%)

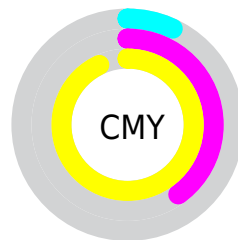


Cyan (0%)

Magenta (35%)

Yellow (92%)

Black (7%)



Cyan (7%)


Magenta (40%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1594, 0.4966, 0.4388 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 41.1594, 0.4966, 0.4388 by changing the saturation by 10% instead.

 41.1594, 0.4966,
0.4388

 41.1594, 0.4966,
0.4388


350.9864, 0.4117,
0.3972

 28.4437, 0.5129,
0.4433


 76.9258, 0.4690,
0.4279


 18.6604, 0.5305,
0.4456


 100.7453, 0.4576,
0.4225


 11.4251, 0.5530,
0.4470


 129.0347, 0.4475,
0.4174

 6.3535, 0.5663,
0.4337

 162.1787, 0.4386,
0.4127

 3.0612, 0.5863,
0.4137

 200.5614, 0.4307,
0.4083

 1.1638, 0.6196,
0.3804

 244.5673, 0.4236,

 0.0318, 0.9475,

0.4043

0.0525

294.5808, 0.4173,
0.4006

■ 0.0000, 0.0000,
0.0000

■ 41.1594, 0.4966,
0.4388

■ 41.1594, 0.4966,
0.4388

■ 38.9360, 0.5074,
0.4353

■ 44.3573, 0.4797,
0.4394

■ 47.8790, 0.4597,
0.4347

■ 51.7468, 0.4377,
0.4255

■ 55.9777, 0.4149,
0.4127

■ 60.5872, 0.3924,
0.3976

■ 65.5893, 0.3709,
0.3813

■ 70.9971, 0.3509,
0.3647

■ 76.8228, 0.3328,
0.3483

■ 83.0779, 0.3164,
0.3327

Harmonies

Analogous

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



41.1594, 0.5253, 0.3641



41.1594, 0.4966, 0.4388



41.1594, 0.4205, 0.5087

Triad

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



41.1594, 0.4966, 0.4388



41.1594, 0.1635, 0.3341



41.1594, 0.2687, 0.1915

Complementary

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



41.1594, 0.4966, 0.4388



15.5278, 0.1714, 0.1319

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.



41.1594, 0.1894, 0.1744



41.1594, 0.4966, 0.4388



41.1594, 0.1379, 0.2356

Square

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



41.1594, 0.4966, 0.4388



41.1594, 0.2292, 0.4618



41.1594, 0.1471, 0.1863



41.1594, 0.3791, 0.2339

Rectangle

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



41.1594, 0.4966, 0.4388



41.1594, 0.3570, 0.5340



41.1594, 0.1471, 0.1863



41.1594, 0.2380, 0.1828

Sweetspot

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



41.1615, 0.4966, 0.4388



80.1689, 0.3621, 0.3742



19.3872, 0.5268, 0.2722



16.5800, 0.3709, 0.3814



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.



41.1615, 0.4966, 0.4388



45.8606, 0.5078, 0.4350



74.5018, 0.3989, 0.5181



16.6129, 0.3277, 0.3436



21.5255, 0.5056, 0.4368



1.8747, 0.4904, 0.4488

Inverse Universe

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



15.5278, 0.1714, 0.1319



15.6902, 0.1658, 0.1167



7.0682, 0.1585, 0.0679



15.4838, 0.2980, 0.3140



7.5411, 0.1668, 0.1204



0.7724, 0.1745, 0.1480

Previews

White Background



This preview shows how the Yxy color 41.1594, 0.4966, 0.4388 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 41.1594, 0.4966, 0.4388 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 41.1594, 0.4966, 0.4388

Background



This preview shows how black text looks on a background with the Yxy color 41.1594, 0.4966, 0.4388.



This preview shows how white text looks on a background with the Yxy color 41.1594, 0.4966, 0.4388.

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

41.1594, 0.4966, 0.4388

Protanopia

41.4224, 0.4361, 0.4835

Deuteranopia

41.0998, 0.4729, 0.4627



Tritanopia

41.0327, 0.4067, 0.3172

Trichromacy



Original Color

41.1594, 0.4966, 0.4388

Protanomaly

41.0320, 0.4589, 0.4666

Deuteranomaly

41.1645, 0.4815, 0.4540

Tritanomaly

40.5881, 0.4542, 0.3743

Monochromacy



Original Color

41.1594, 0.4966, 0.4388

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.2146, 0.3902, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1594, 0.4966, 0.4388 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(237, 154, 18)` looks like.

```
.text, #text, p{  
    color:rgb(237, 154, 18)  
}
```

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(237, 154, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 154, 18) }
```

Border

The CSS property to change the border of an element to Yxy 41.1594, 0.4966, 0.4388 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(237, 154, 18) }
```

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

```
.border{ border-color:rgb(237, 154, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 154, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 154, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 154, 18);  
box-shadow:4px 4px 4px 4px rgb(237, 154,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1594, 0.4966, 0.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 154, 18) }
```

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

```
.background{ background-color: rgb(237,  
154, 18) }
```

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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