

Converting Colors

$Y_{xy}(40.9827, 0.4985, 0.4406)$

Have a look what the booklet for
Yxy(40.9827, 0.4985, 0.4406)
contains.

Yxy(41.1311, 0.4984, 0.4407)	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(41.1311, 0.4984, 0.4407)

Conversions

Conversions Part 1

Format	Color
Hex	ED9A07
RGB	237, 154, 7
RGB Percent	93%, 60%, 3%
CMY	0.0706, 0.3960, 0.9731
CMYK	0.00, 0.35, 0.97, 0.07
HSL	38°, 94%, 48%
HSV	38°, 97%, 93%
XYZ	46.5163, 41.1311, 5.6839
YIQ	162.0590, 96.6550, -28.1210

Conversions

Conversions Part 2

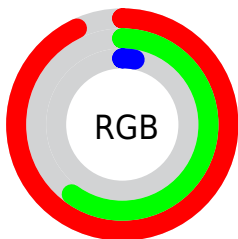
Format	Color
RYB	137, 237, 7
Decimal	15571463
CIELab	70.27, 22.18, 73.99
CIElCh	70, 77.245, 73.311
Yxy	41.1311, 0.4984, 0.4407
Android (android.graphics.Color)	4293761543 (0xFFED9A07)
YUV	162.0590, -76.4441, 65.7233
Hunter-Lab	64.1335, 17.2331, 39.6389

Details

The Yxy color **41.1311, 0.4984, 0.4407** 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 **13.4425, 0.1665, 0.1177**, and the grayscale version is **36.4857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9363, 0.4376, 0.4492**, and **18.8145, 0.5145, 0.4297** is the 20% darker color. If you saturate the color by 10%, you get **40.3106, 0.5023, 0.4394**, and if you desaturate by 10%, it is **44.1370, 0.4839, 0.4433**.

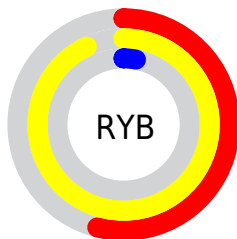
Distribution



Red (93%)

Green (60%)

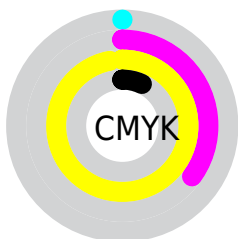
Blue (3%)



Red (54%)

Yellow (93%)

Blue (3%)

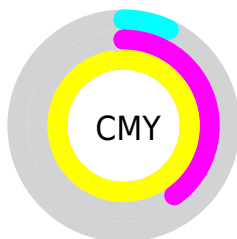


Cyan (0%)

Magenta (35%)

Yellow (97%)

Black (7%)



Cyan (7%)


Magenta (40%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1311, 0.4984, 0.4407 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 41.1311, 0.4984, 0.4407 by changing the saturation by 10% instead.

 41.1311, 0.4984,
0.4407


 41.1311, 0.4984,
0.4407


350.8682, 0.4132,
0.3988

 28.4215, 0.5145,
0.4450


 76.8829, 0.4709,
0.4299


 18.6437, 0.5317,
0.4470


 100.6939, 0.4594,
0.4245


 11.4131, 0.5527,
0.4473


 128.9741, 0.4493,
0.4193

 6.3454, 0.5660,
0.4340

 162.1080, 0.4403,
0.4145

 3.0562, 0.5860,
0.4140

 200.4800, 0.4324,
0.4101

 1.1612, 0.6192,
0.3808

 244.4745, 0.4253,

 0.0296, 0.9506,

0.4060

0.0494

294.4757, 0.4189,
0.4022

0.0000, 0.0000,
0.0000

41.1311, 0.4984,
0.4407

41.1311, 0.4984,
0.4407

40.3106, 0.5023,
0.4394

44.1370, 0.4839,
0.4433

47.4362, 0.4661,
0.4407

51.0527, 0.4457,
0.4331

55.0041, 0.4239,
0.4214

59.3060, 0.4018,
0.4069

■ 63.9724, 0.3802,
0.3907

■ 69.0163, 0.3598,
0.3737

■ 74.4497, 0.3409,
0.3567

■ 80.2838, 0.3238,
0.3402

Harmonies

Analogous

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



41.1311, 0.5291, 0.3649



41.1311, 0.4984, 0.4407



41.1311, 0.4203, 0.5122

Triad

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



41.1311, 0.4984, 0.4407



41.1311, 0.1603, 0.3322



41.1311, 0.2692, 0.1899

Complementary

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



41.1311, 0.4984, 0.4407



13.4425, 0.1665, 0.1177

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.



41.1311, 0.1883, 0.1722



41.1311, 0.4984, 0.4407



41.1311, 0.1353, 0.2327

Square

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



41.1311, 0.4984, 0.4407



41.1311, 0.2262, 0.4631



41.1311, 0.1451, 0.1836



41.1311, 0.3818, 0.2331

Rectangle

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



41.1311, 0.4984, 0.4407



41.1311, 0.3556, 0.5381



41.1311, 0.1451, 0.1836



41.1311, 0.2379, 0.1810

Sweetspot

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



41.1332, 0.4984, 0.4407



80.2702, 0.3637, 0.3771



18.9112, 0.5469, 0.2803



16.6316, 0.3724, 0.3844



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.



41.1332, 0.4984, 0.4407



47.4743, 0.5027, 0.4391



73.7439, 0.3959, 0.5227



16.6604, 0.3277, 0.3440



22.2676, 0.5005, 0.4408



1.9298, 0.4863, 0.4520

Inverse Universe

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



13.4425, 0.1665, 0.1177



14.8646, 0.1644, 0.1117



6.6661, 0.1562, 0.0645



15.4379, 0.2980, 0.3135



7.1511, 0.1654, 0.1154



0.7384, 0.1731, 0.1430

Previews

White Background



This preview shows how the Yxy color 41.1311, 0.4984, 0.4407 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 41.1311, 0.4984, 0.4407 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 41.1311, 0.4984, 0.4407

Background



This preview shows how black text looks on a background with the Yxy color 41.1311, 0.4984, 0.4407.



This preview shows how white text looks on a background with the Yxy color 41.1311, 0.4984, 0.4407.

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

41.1311, 0.4984, 0.4407

Protanopia

41.4001, 0.4373, 0.4854

Deuteranopia

41.0998, 0.4729, 0.4627



Tritanopia

41.0327, 0.4067, 0.3172

Trichromacy



Original Color

41.1311, 0.4984, 0.4407

Protanomaly

41.0058, 0.4605, 0.4686

Deuteranomaly

41.1535, 0.4822, 0.4548

Tritanomaly

40.4883, 0.4589, 0.3792

Monochromacy



Original Color

41.1311, 0.4984, 0.4407

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.6557, 0.3935, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1311, 0.4984, 0.4407 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(237, 154, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 154, 7) }
```

Border

The CSS property to change the border of an element to Yxy 41.1311, 0.4984, 0.4407 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, 7) }
```

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

```
.border{ border-color:rgb(237, 154, 7) }
```

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, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 154, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 154, 7);  
box-shadow:4px 4px 4px 4px rgb(237, 154,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1311, 0.4984, 0.4407 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, 7) }
```

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

```
.background{ background-color: rgb(237,  
154, 7) }
```

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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