

Converting Colors

$Yxy(37.8108, 0.4947, 0.4293)$

Have a look what the booklet for
Yxy(37.8108, 0.4947, 0.4293)
contains.

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Color

Yxy(37.9837, 0.4945, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	E79324
RGB	231, 147, 36
RGB Percent	91%, 58%, 14%
CMY	0.0941, 0.4235, 0.8586
CMYK	0.00, 0.36, 0.84, 0.09
HSL	34°, 80%, 52%
HSV	34°, 84%, 91%
XYZ	43.7118, 37.9837, 6.7004
YIQ	159.4620, 85.6950, -16.7130

Conversions

Conversions Part 2

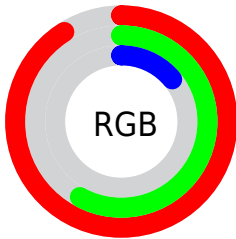
Format	Color
RYB	184, 231, 36
Decimal	15176484
CIELab	68.01, 23.84, 65.88
CIELCh	68, 70.062, 70.109
Yxy	37.9837, 0.4945, 0.4297
Android (android.graphics.Color)	4293366564 (0xFFE79324)
YUV	159.4620, -60.8668, 62.7388
Hunter-Lab	61.6309, 18.7471, 36.6957

Details

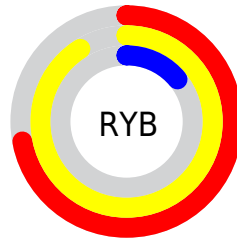
The Yxy color **37.9837, 0.4945, 0.4297** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **19.5960, 0.1828, 0.1637**, and the grayscale version is **35.1524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8060, 0.4360, 0.4343**, and **16.8008, 0.5201, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **34.9235, 0.5132, 0.4269**, and if you desaturate by 10%, it is **41.4067, 0.4725, 0.4271**.

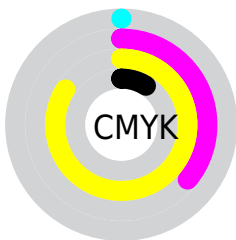
Distribution



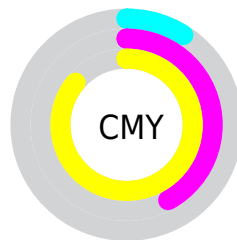
- Red (91%)
- Green (58%)
- Blue (14%)



- Red (72%)
- Yellow (91%)
- Blue (14%)



- Cyan (0%)
- Magenta (36%)
- Yellow (84%)
- Black (9%)




- Cyan (9%)
- Magenta (42%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9837, 0.4945, 0.4297 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 37.9837, 0.4945, 0.4297 by changing the saturation by 10% instead.


 37.9837, 0.4945,
0.4297


 37.9837, 0.4945,
0.4297

337.5500, 0.4076,
0.3904


 25.9700, 0.5123,
0.4342


 72.0832, 0.4653,
0.4191


 16.8012, 0.5322,
0.4367


 94.9377, 0.4536,
0.4140


 10.0929, 0.5601,
0.4399


 122.1747, 0.4433,
0.4092

 5.4606, 0.5755,
0.4245

 154.1786, 0.4343,
0.4047

 2.5200, 0.5990,
0.4010

 191.3336, 0.4264,
0.4006

 0.8866, 0.6390,
0.3610

 234.0243, 0.4194,

 0.0000, 1.0000,

0.3969

0.0000

282.6350, 0.4131,
0.3935

■ 0.0000, 0.0000,
0.0000

■ 37.9837, 0.4945,
0.4297

■ 37.9837, 0.4945,
0.4297

■ 34.9235, 0.5132,
0.4269

■ 41.4067, 0.4725,
0.4271

■ 33.3484, 0.5224,
0.4234

■ 45.2082, 0.4483,
0.4197

■ 49.4091, 0.4236,
0.4086

■ 54.0259, 0.3993,
0.3950

■ 59.0741, 0.3765,
0.3801

■ 64.5681, 0.3554,
0.3648

■ 70.5213, 0.3364,
0.3496

■ 76.9465, 0.3195,
0.3351

■ 83.8558, 0.3046,
0.3215

Harmonies

Analogous

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



37.9837, 0.5148, 0.3580



37.9837, 0.4945, 0.4297



37.9837, 0.4256, 0.4967

Triad

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



37.9837, 0.4945, 0.4297



37.9837, 0.1742, 0.3455



37.9837, 0.2625, 0.1941

Complementary

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



37.9837, 0.4945, 0.4297



19.5960, 0.1828, 0.1637

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.



37.9837, 0.1892, 0.1801



37.9837, 0.4945, 0.4297



37.9837, 0.1453, 0.2472

Square

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



37.9837, 0.4945, 0.4297



37.9837, 0.2414, 0.4640



37.9837, 0.1511, 0.1950



37.9837, 0.3659, 0.2331

Rectangle

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



37.9837, 0.4945, 0.4297



37.9837, 0.3656, 0.5225



37.9837, 0.1511, 0.1950



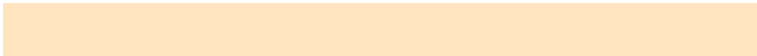
37.9837, 0.2340, 0.1865

Sweetspot

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



37.9857, 0.4945, 0.4297



80.2597, 0.3569, 0.3659



19.6255, 0.4844, 0.2568



16.6485, 0.3642, 0.3713



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.



37.9857, 0.4945, 0.4297



41.5442, 0.5230, 0.4229



72.1968, 0.4055, 0.5064



15.7225, 0.3278, 0.3424



18.9440, 0.5203, 0.4251



1.5836, 0.5015, 0.4400

Inverse Universe

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



19.5960, 0.1828, 0.1637



18.3483, 0.1700, 0.1321



7.6893, 0.1629, 0.0767



14.9035, 0.2981, 0.3153



8.5315, 0.1711, 0.1360



0.8120, 0.1790, 0.1644

Previews

White Background



This preview shows how the Yxy color 37.9837, 0.4945, 0.4297 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 37.9837, 0.4945, 0.4297 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 37.9837, 0.4945, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 37.9837, 0.4945, 0.4297.



This preview shows how white text looks on a background with the Yxy color 37.9837, 0.4945, 0.4297.

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

37.9837, 0.4945, 0.4297

Protanopia

38.3623, 0.4299, 0.4751

Deuteranopia

38.2491, 0.4656, 0.4562



Tritanopia

38.0024, 0.4112, 0.3180

Trichromacy



Original Color

37.9837, 0.4945, 0.4297

Protanomaly

37.9846, 0.4536, 0.4586

Deuteranomaly

38.1209, 0.4768, 0.4462

Tritanomaly

37.7735, 0.4510, 0.3669

Monochromacy



Original Color

37.9837, 0.4945, 0.4297

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.9719, 0.3838, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9837, 0.4945, 0.4297 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(231, 147, 36)` looks like.

```
.text, #text, p{  
    color:rgb(231, 147, 36)  
}
```

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(231, 147, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 147, 36) }
```

Border

The CSS property to change the border of an element to Yxy 37.9837, 0.4945, 0.4297 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(231, 147, 36) }
```

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

```
.border{ border-color:rgb(231, 147, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 147, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 147, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 147, 36);  
box-shadow:4px 4px 4px 4px rgb(231, 147,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9837, 0.4945, 0.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 147, 36) }
```

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

```
.background{ background-color: rgb(231,  
147, 36) }
```

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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