

Converting Colors

$Y_{xy}(40.3827, 0.4503, 0.3828)$

Have a look what the booklet for
Yxy(40.3827, 0.4503, 0.3828)
contains.

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Color

Yxy(40.4144, 0.4502, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	EB9665
RGB	235, 150, 101
RGB Percent	92%, 59%, 40%
CMY	0.0784, 0.4117, 0.6038
CMYK	0.00, 0.36, 0.57, 0.08
HSL	22°, 77%, 66%
HSV	22°, 57%, 92%
XYZ	47.5178, 40.4144, 17.6160
YIQ	169.8290, 66.3890, 2.7810

Conversions

Conversions Part 2

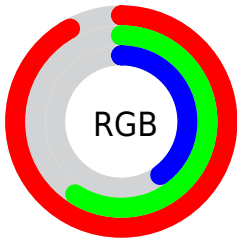
Format	Color
RYB	235, 178, 101
Decimal	15439461
CIELab	69.76, 27.16, 38.89
CIElCh	70, 47.436, 55.066
Yxy	40.4144, 0.4502, 0.3829
Android (android.graphics.Color)	4293629541 (0xFFEB9665)
YUV	169.8290, -33.9327, 57.1550
Hunter-Lab	63.5723, 22.1701, 28.0713

Details

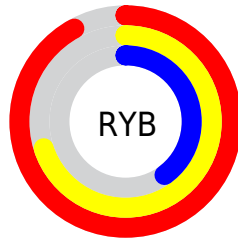
The Yxy color **40.4144, 0.4502, 0.3829** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.8969, 0.2273, 0.2630**, and the grayscale version is **40.2586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2226, 0.3921, 0.3830**, and **18.0973, 0.4894, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **35.5599, 0.4841, 0.3886**, and if you desaturate by 10%, it is **46.0101, 0.4183, 0.3747**.

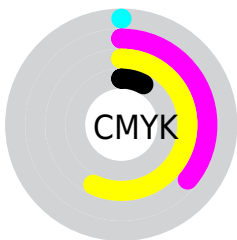
Distribution



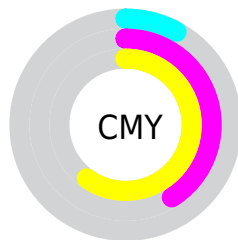
- Red (92%)
- Green (59%)
- Blue (40%)



- Red (92%)
- Yellow (70%)
- Blue (40%)



- Cyan (0%)
- Magenta (36%)
- Yellow (57%)
- Black (8%)



- Cyan (8%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4144, 0.4502, 0.3829 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 40.4144, 0.4502, 0.3829 by changing the saturation by 10% instead.


 40.4144, 0.4502,
0.3829


 40.4144, 0.4502,
0.3829


347.8671, 0.3803,
0.3600

 27.8618, 0.4673,
0.3868


 75.7941, 0.4249,
0.3758


 18.2215, 0.4887,
0.3907


 99.3901, 0.4154,
0.3728

 11.1091, 0.5159,
0.3936


 127.4359, 0.4073,
0.3700

 6.1403, 0.5508,
0.3935

 160.3160, 0.4003,
0.3676

 2.9306, 0.6073,
0.3927

198.4147, 0.3943,
0.3654

 1.0956, 0.6469,
0.3531

242.1166, 0.3891,

 0.0000, 1.0000,

0.3634

0.0000

291.8059, 0.3844,
0.3616

0.0000, 0.0000,
0.0000

40.4144, 0.4502,
0.3829

40.4144, 0.4502,
0.3829

35.5599, 0.4841,
0.3886

46.0101, 0.4183,
0.3747

31.4063, 0.5180,
0.3905

52.3727, 0.3896,
0.3651

27.9180, 0.5492,
0.3874

59.5336, 0.3644,
0.3550

25.0518, 0.5749,
0.3791

67.5209, 0.3427,
0.3449

24.3025, 0.5818,
0.3762

76.3610, 0.3241,
0.3354

■ 86.0791, 0.3082,
0.3264

■ 96.0023, 0.3005,
0.3283

■ 96.4023, 0.3005,
0.3290

Harmonies

Analogous

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



40.4144, 0.4371, 0.3306



40.4144, 0.4502, 0.3829



40.4144, 0.4224, 0.4301

Triad

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



40.4144, 0.4502, 0.3829



40.4144, 0.2396, 0.3800



40.4144, 0.2501, 0.2245

Complementary

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



40.4144, 0.4502, 0.3829



43.8969, 0.2273, 0.2630

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.



40.4144, 0.2079, 0.2262



40.4144, 0.4502, 0.3829



40.4144, 0.2017, 0.3075

Square

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



40.4144, 0.4502, 0.3829



40.4144, 0.2996, 0.4399



40.4144, 0.1914, 0.2532



40.4144, 0.3138, 0.2446

Rectangle

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



40.4144, 0.4502, 0.3829



40.4144, 0.3873, 0.4512



40.4144, 0.1914, 0.2532



40.4144, 0.2333, 0.2225

Sweetspot

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



40.4164, 0.4502, 0.3829



81.2059, 0.3428, 0.3450



30.6116, 0.3703, 0.2361



16.9490, 0.3469, 0.3470



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.



40.4164, 0.4502, 0.3829



42.1095, 0.4885, 0.3891



67.1554, 0.4056, 0.4474



15.9556, 0.3284, 0.3377



13.7475, 0.5789, 0.3785



1.2573, 0.5527, 0.3994

Inverse Universe

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



43.8969, 0.2273, 0.2630



46.5261, 0.2139, 0.2471



22.4725, 0.2075, 0.1713



16.1423, 0.2981, 0.3202



15.5696, 0.1902, 0.2048



1.4048, 0.1956, 0.2239

Previews

White Background



This preview shows how the Yxy color 40.4144, 0.4502, 0.3829 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 40.4144, 0.4502, 0.3829 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 40.4144, 0.4502, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 40.4144, 0.4502, 0.3829.



This preview shows how white text looks on a background with the Yxy color 40.4144, 0.4502, 0.3829.

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

40.4144, 0.4502, 0.3829

Protanopia

40.6691, 0.3811, 0.4126

Deuteranopia

40.4861, 0.4173, 0.4090



Tritanopia

40.3287, 0.4028, 0.3170

Trichromacy



Original Color

40.4144, 0.4502, 0.3829

Protanomaly

40.0724, 0.4064, 0.4011

Deuteranomaly

40.2600, 0.4299, 0.3988

Tritanomaly

40.4842, 0.4212, 0.3416

Monochromacy



Original Color

40.4144, 0.4502, 0.3829

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.7081, 0.3597, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4144, 0.4502, 0.3829 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(235, 150, 101)` looks like.

```
.text, #text, p{  
    color:rgb(235, 150, 101)  
}
```

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(235, 150, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 150, 101) }
```

Border

The CSS property to change the border of an element to Yxy 40.4144, 0.4502, 0.3829 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(235, 150, 101) }
```

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

```
.border{ border-color:rgb(235, 150, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 150, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 150, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 150, 101);  
box-shadow:4px 4px 4px 4px rgb(235, 150,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4144, 0.4502, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 150, 101) }
```

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

```
.background{ background-color: rgb(235,  
150, 101) }
```

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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