

Converting Colors

$Y_{xy}(40.2273, 0.4502, 0.3842)$

Have a look what the booklet for
Yxy(40.2273, 0.4502, 0.3842)
contains.

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Color

Yxy(40.2252, 0.4502, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	EA9664
RGB	234, 150, 100
RGB Percent	92%, 59%, 39%
CMY	0.0824, 0.4117, 0.6078
CMYK	0.00, 0.36, 0.57, 0.08
HSL	22°, 76%, 65%
HSV	22°, 57%, 92%
XYZ	47.1353, 40.2252, 17.3381
YIQ	169.4160, 66.1140, 2.2580

Conversions

Conversions Part 2

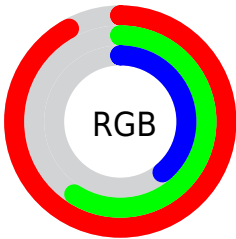
Format	Color
RYB	234, 180, 100
Decimal	15373924
CIELab	69.63, 26.67, 39.23
CIELCh	70, 47.442, 55.790
Yxy	40.2252, 0.4502, 0.3842
Android (android.graphics.Color)	4293564004 (0xFFEA9664)
YUV	169.4160, -34.2221, 56.6402
Hunter-Lab	63.4233, 21.6678, 28.1882

Details

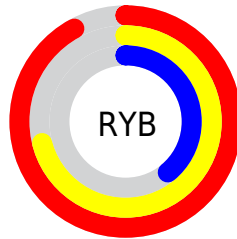
The Yxy color **40.2252, 0.4502, 0.3842** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.9226, 0.2266, 0.2612**, and the grayscale version is **40.0430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1896, 0.3928, 0.3840**, and **17.9820, 0.4883, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **35.4455, 0.4838, 0.3900**, and if you desaturate by 10%, it is **45.7248, 0.4186, 0.3758**.

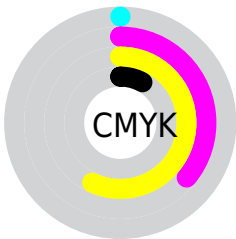
Distribution



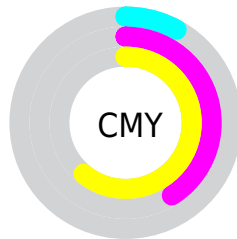
- Red (92%)
- Green (59%)
- Blue (39%)



- Red (92%)
- Yellow (71%)
- Blue (39%)



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





- Cyan (8%)
- Magenta (41%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2252, 0.4502, 0.3842 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 40.2252, 0.4502, 0.3842 by changing the saturation by 10% instead.


 40.2252, 0.4502,
0.3842


 40.2252, 0.4502,
0.3842


347.0718, 0.3803,
0.3607


 27.7142, 0.4673,
0.3883


 75.5063, 0.4249,
0.3769


 18.1103, 0.4886,
0.3923

 99.0452, 0.4154,
0.3737

 11.0292, 0.5157,
0.3954


 127.0288, 0.4073,
0.3709

 6.0865, 0.5506,
0.3955

 159.8416, 0.4003,
0.3684

 2.8977, 0.6058,
0.3942

197.8679, 0.3943,
0.3662

 1.0786, 0.6452,
0.3548

241.4921, 0.3891,

 0.0000, 1.0000,

0.3642

0.0000

291.0986, 0.3844,
0.3623

0.0000, 0.0000,
0.0000

40.2252, 0.4502,
0.3842

40.2252, 0.4502,
0.3842

35.4455, 0.4838,
0.3900

45.7248, 0.4186,
0.3758

31.3467, 0.5173,
0.3919

51.9689, 0.3900,
0.3660

27.8944, 0.5480,
0.3888

58.9879, 0.3648,
0.3558

25.0465, 0.5734,
0.3806

66.8089, 0.3431,
0.3455

24.3603, 0.5797,
0.3779

75.4574, 0.3245,
0.3357

84.9577, 0.3086,
0.3266

94.7534, 0.2999,
0.3267

96.2301, 0.2999,
0.3290

Harmonies

Analogous

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



40.2252, 0.4381, 0.3319



40.2252, 0.4502, 0.3842



40.2252, 0.4215, 0.4312

Triad

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



40.2252, 0.4502, 0.3842



40.2252, 0.2383, 0.3783



40.2252, 0.2513, 0.2246

Complementary

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



40.2252, 0.4502, 0.3842



42.9226, 0.2266, 0.2612

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.



40.2252, 0.2085, 0.2257



40.2252, 0.4502, 0.3842



40.2252, 0.2010, 0.3059

Square

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



40.2252, 0.4502, 0.3842



40.2252, 0.2979, 0.4391



40.2252, 0.1913, 0.2521



40.2252, 0.3155, 0.2452

Rectangle

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



40.2252, 0.4502, 0.3842



40.2252, 0.3860, 0.4519



40.2252, 0.1913, 0.2521



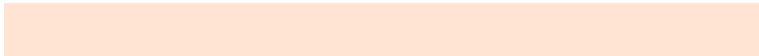
40.2252, 0.2343, 0.2224

Sweetspot

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



40.2272, 0.4502, 0.3842



81.3889, 0.3427, 0.3453



30.1029, 0.3734, 0.2380



16.9920, 0.3469, 0.3474



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.



40.2272, 0.4502, 0.3842



41.9907, 0.4908, 0.3908



67.5849, 0.4046, 0.4497



15.9751, 0.3284, 0.3378



13.9127, 0.5768, 0.3802



1.2717, 0.5508, 0.4009

Inverse Universe

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



42.9226, 0.2266, 0.2612



45.4216, 0.2123, 0.2439



21.5761, 0.2064, 0.1676



16.1222, 0.2981, 0.3200



15.2550, 0.1895, 0.2021



1.3814, 0.1949, 0.2216

Previews

White Background



This preview shows how the Yxy color 40.2252, 0.4502, 0.3842 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 40.2252, 0.4502, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

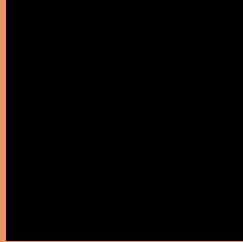
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2252, 0.4502, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 40.2252, 0.4502, 0.3842.



This preview shows how white text looks on a background with the Yxy color 40.2252, 0.4502, 0.3842.

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

40.2252, 0.4502, 0.3842

Protanopia

40.6476, 0.3820, 0.4138

Deuteranopia

40.4673, 0.4182, 0.4101



Tritanopia

40.1552, 0.4018, 0.3169

Trichromacy



Original Color

40.2252, 0.4502, 0.3842

Protanomaly

39.9108, 0.4063, 0.4026

Deuteranomaly

40.0873, 0.4298, 0.4002

Tritanomaly

40.2835, 0.4213, 0.3428

Monochromacy



Original Color

40.2252, 0.4502, 0.3842

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.1917, 0.3599, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2252, 0.4502, 0.3842 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(234, 150, 100)` looks like.

```
.text, #text, p{  
    color:rgb(234, 150, 100)  
}
```

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(234, 150, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 150, 100) }
```

Border

The CSS property to change the border of an element to Yxy 40.2252, 0.4502, 0.3842 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(234, 150, 100) }
```

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

```
.border{ border-color:rgb(234, 150, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 150, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 150, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 150, 100);  
box-shadow:4px 4px 4px 4px rgb(234, 150,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2252, 0.4502, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 150, 100) }
```

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

```
.background{ background-color: rgb(234,  
150, 100) }
```

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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