

Converting Colors

$Y_{xy}(40.3757, 0.4521, 0.3849)$

Have a look what the booklet for
Yxy(40.3757, 0.4521, 0.3849)
contains.

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Color

Yxy(40.3757, 0.4521, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	EB9663
RGB	235, 150, 99
RGB Percent	92%, 59%, 39%
CMY	0.0783, 0.4118, 0.6118
CMYK	0.00, 0.36, 0.58, 0.08
HSL	22°, 77%, 65%
HSV	22°, 58%, 92%
XYZ	47.4249, 40.3757, 17.0986
YIQ	169.6010, 67.0310, 2.1590

Conversions

Conversions Part 2

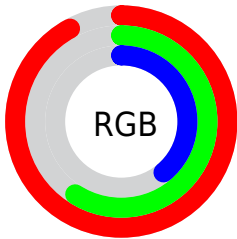
Format	Color
R _Y B	235, 181, 99
Decimal	15439459
CIE Lab	69.74, 27.02, 39.92
CIE LCh	70, 48.205, 55.904
Yxy	40.3757, 0.4521, 0.3849
Android (android.graphics.Color)	4293629539 (0xFFEB9663)
YUV	169.6010, -34.8063, 57.3549
Hunter-Lab	63.5419, 22.0264, 28.5249

Details

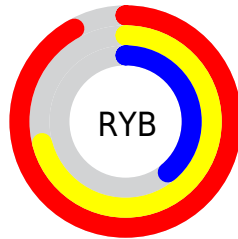
The Yxy color **40.3757, 0.4521, 0.3849** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.9460, 0.2258, 0.2600**, and the grayscale version is **40.1421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1570, 0.3936, 0.3850**, and **18.0796, 0.4916, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **35.5934, 0.4856, 0.3905**, and if you desaturate by 10%, it is **45.8808, 0.4204, 0.3766**.

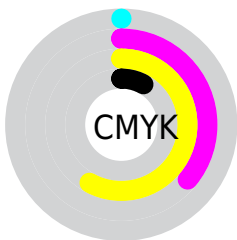
Distribution



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



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



- Cyan (0%)
- Magenta (36%)
- Yellow (58%)
- Black (8%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3757, 0.4521, 0.3849 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 40.3757, 0.4521, 0.3849 by changing the saturation by 10% instead.


 40.3757, 0.4521,
0.3849


 40.3757, 0.4521,
0.3849


347.7046, 0.3814,
0.3612

 27.8316, 0.4693,
0.3890


 75.7353, 0.4266,
0.3776


 18.1988, 0.4908,
0.3929


 99.3195, 0.4169,
0.3744

 11.0928, 0.5180,
0.3959


 127.3526, 0.4087,
0.3716

 6.1293, 0.5530,
0.3958

 160.2190, 0.4017,
0.3691

 2.9238, 0.6069,
0.3931

198.3029, 0.3956,
0.3668

 1.0921, 0.6464,
0.3536

241.9889, 0.3902,

 0.0000, 1.0000,

0.3647

0.0000

291.6613, 0.3855,
0.3629

0.0000, 0.0000,
0.0000

40.3757, 0.4521,
0.3849

40.3757, 0.4521,
0.3849

35.5934, 0.4856,
0.3905

45.8808, 0.4204,
0.3766

31.4943, 0.5190,
0.3922

52.1333, 0.3916,
0.3668

28.0437, 0.5494,
0.3888

59.1641, 0.3663,
0.3565

25.1981, 0.5744,
0.3803

67.0003, 0.3443,
0.3462

24.6627, 0.5792,
0.3783

75.6678, 0.3256,
0.3364

■ 85.1911, 0.3095,
0.3271

■ 95.0327, 0.3006,
0.3268

■ 96.4059, 0.3005,
0.3290

Harmonies

Analogous

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



40.3757, 0.4401, 0.3320



40.3757, 0.4521, 0.3849



40.3757, 0.4227, 0.4326

Triad

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



40.3757, 0.4521, 0.3849



40.3757, 0.2370, 0.3788



40.3757, 0.2506, 0.2233

Complementary

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



40.3757, 0.4521, 0.3849



42.9460, 0.2258, 0.2600

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.



40.3757, 0.2073, 0.2243



40.3757, 0.4521, 0.3849



40.3757, 0.1994, 0.3051

Square

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



40.3757, 0.4521, 0.3849



40.3757, 0.2973, 0.4408



40.3757, 0.1898, 0.2508



40.3757, 0.3158, 0.2442

Rectangle

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



40.3757, 0.4521, 0.3849



40.3757, 0.3866, 0.4537



40.3757, 0.1898, 0.2508



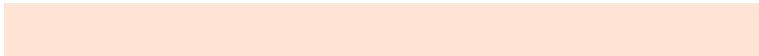
40.3757, 0.2334, 0.2210

Sweetspot

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



40.3777, 0.4521, 0.3849



81.4283, 0.3427, 0.3454



30.0993, 0.3744, 0.2372



17.0012, 0.3468, 0.3475



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.



40.3777, 0.4521, 0.3849



42.0794, 0.4905, 0.3910



68.1337, 0.4055, 0.4507



15.9792, 0.3283, 0.3379



13.9487, 0.5764, 0.3805



1.2748, 0.5504, 0.4012

Inverse Universe

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



42.9460, 0.2258, 0.2600



45.2964, 0.2122, 0.2435



21.4073, 0.2052, 0.1656



16.1178, 0.2981, 0.3200



15.1881, 0.1893, 0.2015



1.3764, 0.1948, 0.2211

Previews

White Background



This preview shows how the Yxy color 40.3757, 0.4521, 0.3849 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 40.3757, 0.4521, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

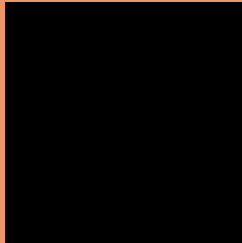
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3757, 0.4521, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 40.3757, 0.4521, 0.3849.



This preview shows how white text looks on a background with the Yxy color 40.3757, 0.4521, 0.3849.

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

40.3757, 0.4521, 0.3849

Protanopia

40.6265, 0.3828, 0.4151

Deuteranopia

40.4488, 0.4190, 0.4112



Tritanopia

40.3287, 0.4028, 0.3170

Trichromacy



Original Color

40.3757, 0.4521, 0.3849

Protanomaly

40.0312, 0.4082, 0.4035

Deuteranomaly

40.2222, 0.4316, 0.4010

Tritanomaly

40.4561, 0.4223, 0.3427

Monochromacy



Original Color

40.3757, 0.4521, 0.3849

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.6773, 0.3606, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3757, 0.4521, 0.3849 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(235, 150, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 150, 99) }
```

Border

The CSS property to change the border of an element to Yxy 40.3757, 0.4521, 0.3849 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, 99) }
```

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

```
.border{ border-color:rgb(235, 150, 99) }
```

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, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 150, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 150, 99);  
box-shadow:4px 4px 4px 4px rgb(235, 150,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3757, 0.4521, 0.3849 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, 99) }
```

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

```
.background{ background-color: rgb(235,  
150, 99) }
```

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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