

Converting Colors

$Y_{xy}(40.5098, 0.4535, 0.3778)$

Have a look what the booklet for
Yxy(40.5098, 0.4535, 0.3778)
contains.

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Color

Yxy(40.5098, 0.4535, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	EF9467
RGB	239, 148, 103
RGB Percent	94%, 58%, 40%
CMY	0.0629, 0.4195, 0.5961
CMYK	0.00, 0.38, 0.57, 0.06
HSL	20°, 81%, 67%
HSV	20°, 57%, 94%
XYZ	48.6268, 40.5098, 18.0889
YIQ	170.0790, 68.6810, 5.2970

Conversions

Conversions Part 2

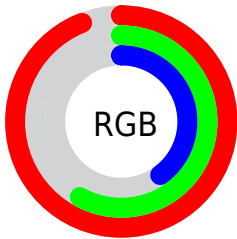
Format	Color
R_{YB}	239, 170, 103
Decimal	15701095
CIE _{Lab}	69.83, 29.94, 38.04
CIE _{LCh}	70, 48.405, 51.797
Yxy	40.5098, 0.4535, 0.3778
Android (android.graphics.Color)	4293891175 (0xFFEF9467)
YUV	170.0790, -33.0699, 60.4437
Hunter-Lab	63.6473, 24.9918, 27.7025

Details

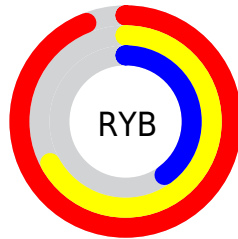
The Yxy color **40.5098, 0.4535, 0.3778** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.6741, 0.2287, 0.2696**, and the grayscale version is **40.3842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3384, 0.3914, 0.3790**, and **18.2253, 0.4931, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **35.4246, 0.4890, 0.3828**, and if you desaturate by 10%, it is **46.4287, 0.4203, 0.3704**.

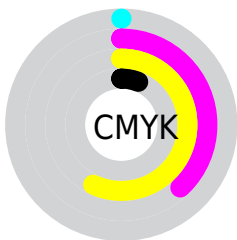
Distribution



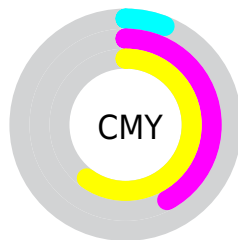
- Red (94%)
- Green (58%)
- Blue (40%)



- Red (94%)
- Yellow (67%)
- Blue (40%)



- Cyan (0%)
- Magenta (38%)
- Yellow (57%)
- Black (6%)




- Cyan (6%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5098, 0.4535, 0.3778 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 40.5098, 0.4535, 0.3778 by changing the saturation by 10% instead.


 40.5098, 0.4535,
0.3778


 40.5098, 0.4535,
0.3778


348.2676, 0.3819,
0.3577


 27.9363, 0.4711,
0.3810


 75.9392, 0.4275,
0.3717


 18.2776, 0.4931,
0.3840


 99.5638, 0.4177,
0.3691

 11.1495, 0.5213,
0.3858


 127.6410, 0.4094,
0.3667

 6.1675, 0.5575,
0.3841

 160.5550, 0.4023,
0.3645

 2.9472, 0.6179,
0.3821

198.6902, 0.3962,
0.3625

 1.1042, 0.6601,
0.3399

242.4312, 0.3908,

 0.0000, 1.0000,

0.3607

0.0000

292.1622, 0.3861,
0.3591

0.0000, 0.0000,
0.0000

40.5098, 0.4535,
0.3778

40.5098, 0.4535,
0.3778

35.4246, 0.4890,
0.3828

46.4287, 0.4203,
0.3704

31.1267, 0.5247,
0.3840

53.2123, 0.3907,
0.3617

27.5738, 0.5574,
0.3804


60.8975, 0.3648,
0.3525


24.7156, 0.5839,
0.3719

69.5169, 0.3427,
0.3434

23.9553, 0.5911,
0.3688

79.1016, 0.3239,
0.3347

 89.6810, 0.3081,
0.3265

 97.0851, 0.3029,
0.3290

Harmonies

Analogous

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



40.5098, 0.4354, 0.3248



40.5098, 0.4535, 0.3778



40.5098, 0.4291, 0.4271

Triad

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



40.5098, 0.4535, 0.3778



40.5098, 0.2439, 0.3891



40.5098, 0.2431, 0.2218

Complementary

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



40.5098, 0.4535, 0.3778



47.6741, 0.2287, 0.2696

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.



40.5098, 0.2030, 0.2260



40.5098, 0.4535, 0.3778



40.5098, 0.2026, 0.3144

Square

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



40.5098, 0.4535, 0.3778



40.5098, 0.3066, 0.4466



40.5098, 0.1892, 0.2564



40.5098, 0.3059, 0.2400

Rectangle

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



40.5098, 0.4535, 0.3778



40.5098, 0.3950, 0.4508



40.5098, 0.1892, 0.2564



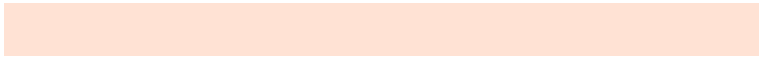
40.5098, 0.2269, 0.2205

Sweetspot

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



40.5119, 0.4535, 0.3778



80.3907, 0.3430, 0.3435



32.0279, 0.3648, 0.2319



16.7576, 0.3472, 0.3453



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.



40.5119, 0.4535, 0.3778



40.3330, 0.4938, 0.3832



67.4383, 0.4082, 0.4434



16.6138, 0.3285, 0.3369



13.4565, 0.5882, 0.3711



1.2952, 0.5627, 0.3914

Inverse Universe

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



47.6741, 0.2287, 0.2696



49.1942, 0.2158, 0.2553



24.5342, 0.2089, 0.1774



16.9956, 0.2980, 0.3210



17.5619, 0.1936, 0.2170



1.6425, 0.1982, 0.2335

Previews

White Background



This preview shows how the Yxy color 40.5098, 0.4535, 0.3778 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 40.5098, 0.4535, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

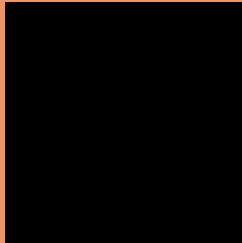
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5098, 0.4535, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 40.5098, 0.4535, 0.3778.



This preview shows how white text looks on a background with the Yxy color 40.5098, 0.4535, 0.3778.

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

40.5098, 0.4535, 0.3778

Protanopia

40.7348, 0.3786, 0.4087

Deuteranopia

40.5244, 0.4156, 0.4067



Tritanopia

40.4902, 0.4084, 0.3182

Trichromacy



Original Color

40.5098, 0.4535, 0.3778

Protanomaly

40.2776, 0.4047, 0.3972

Deuteranomaly

40.4534, 0.4291, 0.3964

Tritanomaly

40.3685, 0.4262, 0.3404

Monochromacy



Original Color

40.5098, 0.4535, 0.3778

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.5181, 0.3600, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5098, 0.4535, 0.3778 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(239, 148, 103)` looks like.

```
.text, #text, p{  
    color:rgb(239, 148, 103)  
}
```

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(239, 148, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 148, 103) }
```

Border

The CSS property to change the border of an element to Yxy 40.5098, 0.4535, 0.3778 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(239, 148, 103) }
```

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

```
.border{ border-color:rgb(239, 148, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 148, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 148, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 148, 103);  
box-shadow:4px 4px 4px 4px rgb(239, 148,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5098, 0.4535, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 148, 103) }
```

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

```
.background{ background-color: rgb(239,  
148, 103) }
```

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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