

Converting Colors

$Y_{xy}(40.3337, 0.4476, 0.3721)$

Have a look what the booklet for
Yxy(40.3337, 0.4476, 0.3721)
contains.

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Color

Yxy(40.4397, 0.4478, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	EE946C
RGB	238, 148, 108
RGB Percent	93%, 58%, 42%
CMY	0.0668, 0.4195, 0.5765
CMYK	0.00, 0.38, 0.55, 0.07
HSL	18°, 79%, 68%
HSV	18°, 55%, 93%
XYZ	48.5493, 40.4397, 19.4284
YIQ	170.3500, 66.4800, 6.6400

Conversions

Conversions Part 2

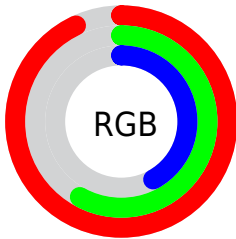
Format	Color
R _Y B	238, 166, 108
Decimal	15635564
CIE Lab	69.78, 29.94, 35.30
CIE LCh	70, 46.288, 49.702
Yxy	40.4397, 0.4478, 0.3730
Android (android.graphics.Color)	4293825644 (0xFFEE946C)
YUV	170.3500, -30.7385, 59.3291
Hunter-Lab	63.5922, 24.9890, 26.4005

Details

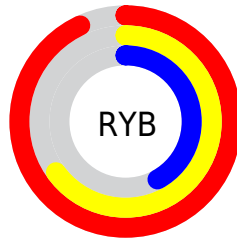
The Yxy color **40.4397, 0.4478, 0.3730** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.7157, 0.2325, 0.2766**, and the grayscale version is **40.5148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5099, 0.3875, 0.3738**, and **18.1465, 0.4872, 0.3789** is the 20% darker color. If you saturate the color by 10%, you get **35.1977, 0.4839, 0.3781**, and if you desaturate by 10%, it is **46.5590, 0.4146, 0.3658**.

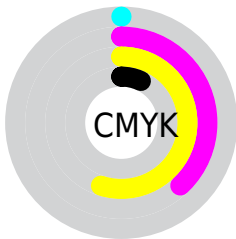
Distribution



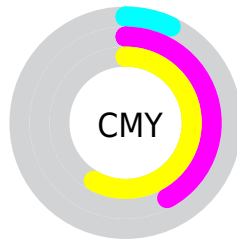
- Red (93%)
- Green (58%)
- Blue (42%)



- Red (93%)
- Yellow (65%)
- Blue (42%)



- Cyan (0%)
- Magenta (38%)
- Yellow (55%)
- Black (7%)



- Cyan (7%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4397, 0.4478, 0.3730 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 40.4397, 0.4478, 0.3730 by changing the saturation by 10% instead.


 40.4397, 0.4478,
0.3730


 40.4397, 0.4478,
0.3730


347.9734, 0.3788,
0.3548

 27.8815, 0.4649,
0.3760


 75.8326, 0.4227,
0.3675

 18.2364, 0.4865,
0.3788


 99.4361, 0.4132,
0.3651

 11.1198, 0.5144,
0.3806


 127.4903, 0.4053,
0.3629

 6.1475, 0.5509,
0.3794

 160.3794, 0.3984,
0.3609

 2.9350, 0.6181,
0.3819

198.4878, 0.3925,
0.3592

 1.0979, 0.6603,
0.3397

242.2000, 0.3874,

 0.0000, 1.0000,

0.3576

0.0000

291.9004, 0.3828,
0.3561

■ 0.0000, 0.0000,
0.0000

■ 40.4397, 0.4478,
0.3730

■ 40.4397, 0.4478,
0.3730

■ 35.1977, 0.4839,
0.3781

■ 46.5590, 0.4146,
0.3658

■ 30.7845, 0.5209,
0.3798

■ 53.5887, 0.3852,
0.3575

■ 27.1557, 0.5555,
0.3771

■ 61.5676, 0.3598,
0.3489

■ 24.2590, 0.5842,
0.3695

■ 70.5305, 0.3383,
0.3405

■ 22.9776, 0.5969,
0.3643

■ 80.5100, 0.3201,
0.3325

■ 91.5375, 0.3048,
0.3251

■ 96.9126, 0.3023,
0.3290

Harmonies

Analogous

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



40.4397, 0.4273, 0.3219



40.4397, 0.4478, 0.3730



40.4397, 0.4274, 0.4208

Triad

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



40.4397, 0.4478, 0.3730



40.4397, 0.2506, 0.3911



40.4397, 0.2424, 0.2253

Complementary

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



40.4397, 0.4478, 0.3730



49.7157, 0.2325, 0.2766

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.



40.4397, 0.2054, 0.2313



40.4397, 0.4478, 0.3730



40.4397, 0.2089, 0.3201

Square

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



40.4397, 0.4478, 0.3730



40.4397, 0.3118, 0.4433



40.4397, 0.1938, 0.2627



40.4397, 0.3016, 0.2414

Rectangle

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



40.4397, 0.4478, 0.3730



40.4397, 0.3960, 0.4441



40.4397, 0.1938, 0.2627



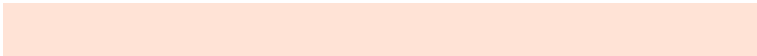
40.4397, 0.2273, 0.2247

Sweetspot

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



40.4417, 0.4478, 0.3730



80.9364, 0.3412, 0.3417



33.0161, 0.3595, 0.2331



16.8469, 0.3454, 0.3434



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.



40.4417, 0.4478, 0.3730



40.2759, 0.4899, 0.3786



66.3295, 0.4057, 0.4376



16.5529, 0.3286, 0.3363



13.0234, 0.5941, 0.3665



1.2533, 0.5684, 0.3869

Inverse Universe

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



49.7157, 0.2325, 0.2766



52.0188, 0.2192, 0.2631



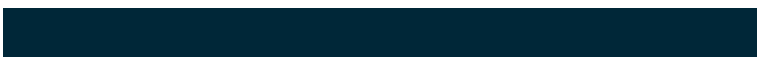
26.4030, 0.2138, 0.1874



17.0594, 0.2981, 0.3216



18.6346, 0.1959, 0.2253



1.7257, 0.2002, 0.2406

Previews

White Background



This preview shows how the Yxy color 40.4397, 0.4478, 0.3730 looks on a white background.

Color Contrast Check

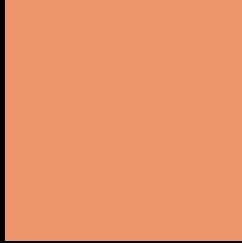
Large Text (above 18pt) WCAG AA × Fail

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 40.4397, 0.4478, 0.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

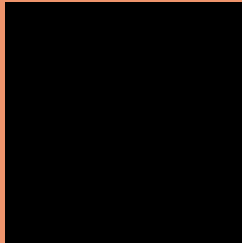
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4397, 0.4478, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 40.4397, 0.4478, 0.3730.



This preview shows how white text looks on a background with the Yxy color 40.4397, 0.4478, 0.3730.

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

40.4397, 0.4478, 0.3730

Protanopia

40.7245, 0.3733, 0.4024

Deuteranopia

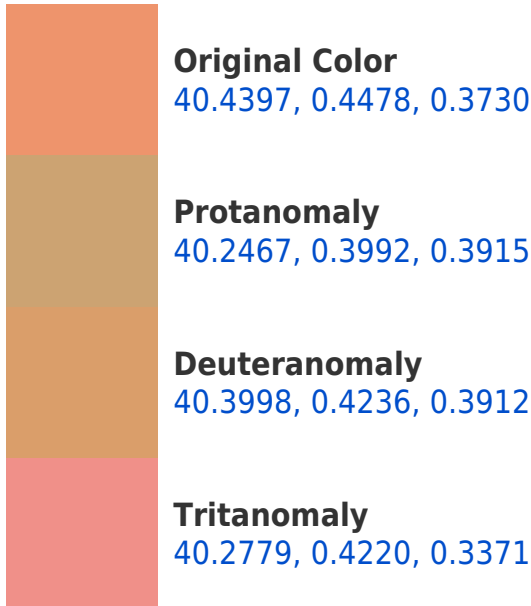
40.4797, 0.4103, 0.4014



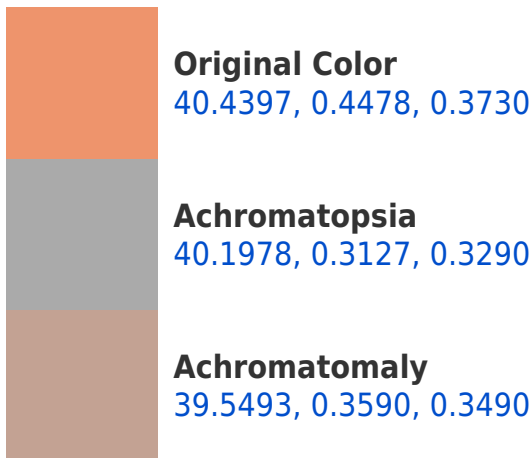
Tritanopia

40.3467, 0.4063, 0.3171

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4397, 0.4478, 0.3730 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(238, 148, 108)` looks like.

```
.text, #text, p{  
    color:rgb(238, 148, 108)  
}
```

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(238, 148, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 148, 108) }
```

Border

The CSS property to change the border of an element to Yxy 40.4397, 0.4478, 0.3730 is called "border". The border property can be set on classes, ids or directly on the HTML element.

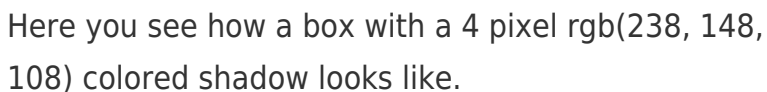
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 148, 108) }
```

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

```
.border{ border-color:rgb(238, 148, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(238, 148, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 148, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 148, 108); box-shadow:4px 4px 4px 4px rgb(238, 148, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4397, 0.4478, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 148, 108) }
```

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

```
.background{ background-color: rgb(238,  
148, 108) }
```

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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