

Converting Colors

$Y_{xy}(37.3699, 0.4775, 0.3894)$

Have a look what the booklet for
Yxy(37.3699, 0.4775, 0.3894)
contains.

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Color

Yxy(37.3699, 0.4775, 0.3894)

Conversions

Conversions Part 1

Format	Color
Hex	ED8C52
RGB	237, 140, 82
RGB Percent	93%, 55%, 32%
CMY	0.0706, 0.4509, 0.6786
CMYK	0.00, 0.41, 0.65, 0.07
HSL	22°, 81%, 63%
HSV	22°, 65%, 93%
XYZ	45.8247, 37.3699, 12.7733
YIQ	162.3910, 76.4300, 2.5260

Conversions

Conversions Part 2

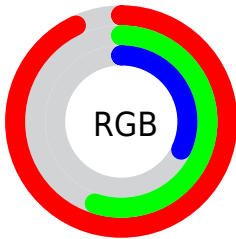
Format	Color
R _Y B	237, 175, 82
Decimal	15567954
CIE Lab	67.55, 31.92, 46.15
CIE LCh	68, 56.114, 55.332
Yxy	37.3699, 0.4775, 0.3894
Android (android.graphics.Color)	4293758034 (0xFFED8C52)
YUV	162.3910, -39.6328, 65.4321
Hunter-Lab	61.1309, 26.8272, 30.4030

Details

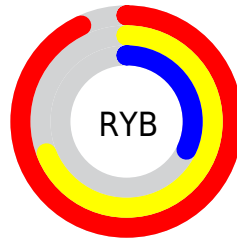
The Yxy color **37.3699, 0.4775, 0.3894** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **40.1283, 0.2166, 0.2492**, and the grayscale version is **36.4870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5370, 0.4126, 0.3921**, and **16.4847, 0.5215, 0.3952** is the 20% darker color. If you saturate the color by 10%, you get **33.0260, 0.5112, 0.3921**, and if you desaturate by 10%, it is **42.4261, 0.4442, 0.3830**.

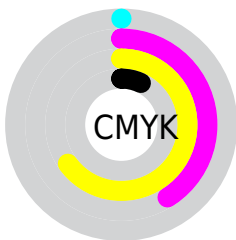
Distribution



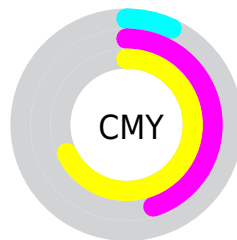
- Red (93%)
- Green (55%)
- Blue (32%)



- Red (93%)
- Yellow (69%)
- Blue (32%)



- Cyan (0%)
- Magenta (41%)
- Yellow (65%)
- Black (7%)





- Cyan (7%)
- Magenta (45%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3699, 0.4775, 0.3894 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 37.3699, 0.4775, 0.3894 by changing the saturation by 10% instead.


 37.3699, 0.4775,
0.3894


 37.3699, 0.4775,
0.3894


334.9092, 0.3938,
0.3655


 25.4940, 0.4975,
0.3925


 71.1413, 0.4475,
0.3827

 16.4455, 0.5221,
0.3946


 93.8057, 0.4360,
0.3795

 9.8399, 0.5523,
0.3940


 120.8349, 0.4263,
0.3766

 5.2930, 0.5993,
0.3937

 152.6135, 0.4179,
0.3740

 2.4202, 0.6335,
0.3665

 189.5259, 0.4106,
0.3715

 0.8362, 0.6836,
0.3164

231.9563, 0.4043,

 0.0000, 1.0000,

0.3693

0.0000

280.2893, 0.3987,
0.3673

■ 0.0000, 0.0000,
0.0000

■ 37.3699, 0.4775,
0.3894

■ 37.3699, 0.4775,
0.3894

■ 33.0260, 0.5112,
0.3921

■ 42.4261, 0.4442,
0.3830

■ 29.3519, 0.5426,
0.3900

■ 48.2221, 0.4131,
0.3743


■ 26.3082, 0.5690,
0.3826


■ 54.7909, 0.3851,
0.3643

■ 25.1044, 0.5795,
0.3781

■ 62.1616, 0.3606,
0.3539

■ 70.3614, 0.3395,
0.3437

 79.4165, 0.3214,
0.3340

 89.3516, 0.3060,
0.3249

 96.7442, 0.3017,
0.3290

Harmonies

Analogous

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



37.3699, 0.4640, 0.3288



37.3699, 0.4775, 0.3894



37.3699, 0.4414, 0.4471

Triad

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



37.3699, 0.4775, 0.3894



37.3699, 0.2237, 0.3904



37.3699, 0.2381, 0.2064

Complementary

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



37.3699, 0.4775, 0.3894



40.1283, 0.2166, 0.2492

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.



37.3699, 0.1895, 0.2071



37.3699, 0.4775, 0.3894



37.3699, 0.1809, 0.3001

Square

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



37.3699, 0.4775, 0.3894



37.3699, 0.2939, 0.4665



37.3699, 0.1703, 0.2366



37.3699, 0.3138, 0.2299

Rectangle

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



37.3699, 0.4775, 0.3894



37.3699, 0.3984, 0.4756



37.3699, 0.1703, 0.2366



37.3699, 0.2186, 0.2038

Sweetspot

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



37.3718, 0.4775, 0.3894



78.4454, 0.3489, 0.3485



27.3351, 0.3861, 0.2285



16.2122, 0.3550, 0.3513



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.



37.3718, 0.4775, 0.3894



37.6633, 0.5206, 0.3921



67.8923, 0.4160, 0.4624



15.9780, 0.3283, 0.3379



13.9381, 0.5765, 0.3804



1.2739, 0.5505, 0.4011

Inverse Universe

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



40.1283, 0.2166, 0.2492



40.9213, 0.2033, 0.2304



17.5350, 0.1911, 0.1421



16.1191, 0.2981, 0.3200



15.2077, 0.1894, 0.2017



1.3779, 0.1948, 0.2212

Previews

White Background



This preview shows how the Yxy color 37.3699, 0.4775, 0.3894 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 37.3699, 0.4775, 0.3894 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 37.3699, 0.4775, 0.3894

Background



This preview shows how black text looks on a background with the Yxy color 37.3699, 0.4775, 0.3894.



This preview shows how white text looks on a background with the Yxy color 37.3699, 0.4775, 0.3894.

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

37.3699, 0.4775, 0.3894

Protanopia

37.4722, 0.3953, 0.4311

Deuteranopia

37.5014, 0.4343, 0.4249



Tritanopia

37.4590, 0.4217, 0.3183

Trichromacy



Original Color

37.3699, 0.4775, 0.3894

Protanomaly

36.8826, 0.4249, 0.4157

Deuteranomaly

37.2967, 0.4506, 0.4119

Tritanomaly

37.5141, 0.4442, 0.3458

Monochromacy



Original Color

37.3699, 0.4775, 0.3894

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.6235, 0.3695, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3699, 0.4775, 0.3894 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(237, 140, 82)` looks like.

```
.text, #text, p{  
    color:rgb(237, 140, 82)  
}
```

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(237, 140, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 140, 82) }
```

Border

The CSS property to change the border of an element to Yxy 37.3699, 0.4775, 0.3894 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(237, 140, 82) }
```

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

```
.border{ border-color:rgb(237, 140, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 140, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 140, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 140, 82);  
box-shadow:4px 4px 4px 4px rgb(237, 140,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3699, 0.4775, 0.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 140, 82) }
```

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

```
.background{ background-color: rgb(237,  
140, 82) }
```

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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