

Converting Colors

$Y_{xy}(37.5572, 0.5047, 0.4162)$

Have a look what the booklet for
Yxy(37.5572, 0.5047, 0.4162)
contains.

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Color

Yxy(37.5749, 0.5047, 0.4163)

Conversions

Conversions Part 1

Format	Color
Hex	EF8D2B
RGB	239, 141, 43
RGB Percent	94%, 55%, 17%
CMY	0.0628, 0.4470, 0.8316
CMYK	0.00, 0.41, 0.82, 0.06
HSL	30°, 86%, 55%
HSV	30°, 82%, 94%
XYZ	45.5538, 37.5749, 7.1305
YIQ	159.1300, 89.8660, -9.7020

Conversions

Conversions Part 2

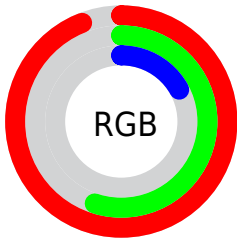
Format	Color
R _Y B	239, 239, 43
Decimal	15699243
CIE Lab	67.71, 30.49, 63.71
CIE LCh	68, 70.625, 64.426
Yxy	37.5749, 0.5047, 0.4163
Android (android.graphics.Color)	4293889323 (0xFFEF8D2B)
YUV	159.1300, -57.2521, 70.0460
Hunter-Lab	61.2984, 25.3799, 36.0120

Details

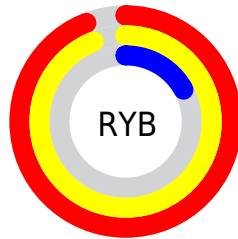
The Yxy color **37.5749, 0.5047, 0.4163** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.7657, 0.1902, 0.1879**, and the grayscale version is **34.9684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1533, 0.4373, 0.4251**, and **16.6594, 0.5378, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **34.1154, 0.5275, 0.4131**, and if you desaturate by 10%, it is **41.5207, 0.4785, 0.4141**.

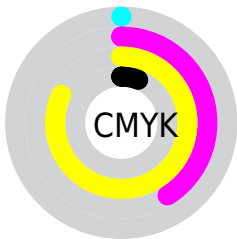
Distribution



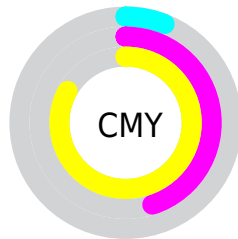
- Red (94%)
- Green (55%)
- Blue (17%)



- Red (94%)
- Yellow (94%)
- Blue (17%)



- Cyan (0%)
- Magenta (41%)
- Yellow (82%)
- Black (6%)




- Cyan (6%)
- Magenta (45%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5749, 0.5047, 0.4163 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 37.5749, 0.5047, 0.4163 by changing the saturation by 10% instead.


 37.5749, 0.5047,
0.4163


 37.5749, 0.5047,
0.4163


335.7929, 0.4116,
0.3842


 25.6529, 0.5243,
0.4191


 71.4561, 0.4731,
0.4083


 16.5642, 0.5467,
0.4194


 94.1841, 0.4604,
0.4042


 9.9242, 0.5772,
0.4190


 121.2829, 0.4495,
0.4002

 5.3488, 0.5985,
0.4015

 153.1370, 0.4399,
0.3965

 2.4533, 0.6273,
0.3727

 190.1306, 0.4315,
0.3930

 0.8531, 0.6755,
0.3245

 232.6481, 0.4241,

 0.0000, 1.0000,

0.3899

0.0000

281.0741, 0.4175,
0.3869

■ 0.0000, 0.0000,
0.0000

■ 37.5749, 0.5047,
0.4163

■ 37.5749, 0.5047,
0.4163

■ 34.1154, 0.5275,
0.4131

■ 41.5207, 0.4785,
0.4141


■ 31.6762, 0.5430,
0.4070


■ 45.9739, 0.4509,
0.4072


■ 50.9605, 0.4234,
0.3969


■ 56.5024, 0.3972,
0.3845

■ 62.6197, 0.3732,
0.3711

 69.3314, 0.3516,
0.3575

 76.6555, 0.3326,
0.3441

 84.6089, 0.3158,
0.3315

 93.0116, 0.3030,
0.3226

Harmonies

Analogous

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



37.5749, 0.5133, 0.3447



37.5749, 0.5047, 0.4163



37.5749, 0.4420, 0.4868

Triad

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



37.5749, 0.5047, 0.4163



37.5749, 0.1827, 0.3687



37.5749, 0.2451, 0.1882

Complementary

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



37.5749, 0.5047, 0.4163



25.7657, 0.1902, 0.1879

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.



37.5749, 0.1781, 0.1792



37.5749, 0.5047, 0.4163



37.5749, 0.1465, 0.2614

Square

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



37.5749, 0.5047, 0.4163



37.5749, 0.2570, 0.4843



37.5749, 0.1462, 0.2004



37.5749, 0.3453, 0.2231

Rectangle

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



37.5749, 0.5047, 0.4163



37.5749, 0.3836, 0.5199



37.5749, 0.1462, 0.2004



37.5749, 0.2187, 0.1822

Sweetspot

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



37.5769, 0.5047, 0.4163



77.8842, 0.3579, 0.3616



21.9935, 0.4559, 0.2430



16.0826, 0.3655, 0.3664



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.



37.5769, 0.5047, 0.4163



37.2682, 0.5397, 0.4083



80.2489, 0.4145, 0.4973



17.0654, 0.3281, 0.3408



17.7695, 0.5406, 0.4090



1.6773, 0.5203, 0.4250

Inverse Universe

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



25.7657, 0.1902, 0.1879



23.2131, 0.1775, 0.1579



8.4664, 0.1610, 0.0782



16.5339, 0.2980, 0.3169



11.0548, 0.1772, 0.1578



1.1186, 0.1838, 0.1816

Previews

White Background



This preview shows how the Yxy color 37.5749, 0.5047, 0.4163 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 37.5749, 0.5047, 0.4163 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 37.5749, 0.5047, 0.4163

Background



This preview shows how black text looks on a background with the Yxy color 37.5749, 0.5047, 0.4163.



This preview shows how white text looks on a background with the Yxy color 37.5749, 0.5047, 0.4163.

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

37.5749, 0.5047, 0.4163

Protanopia

37.8085, 0.4253, 0.4702

Deuteranopia

37.6512, 0.4628, 0.4539



Tritanopia

37.6587, 0.4274, 0.3196

Trichromacy



Original Color

37.5749, 0.5047, 0.4163

Protanomaly

37.2983, 0.4551, 0.4497

Deuteranomaly

37.3398, 0.4784, 0.4394

Tritanomaly

37.2251, 0.4640, 0.3611

Monochromacy



Original Color

37.5749, 0.5047, 0.4163

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.4322, 0.3856, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5749, 0.5047, 0.4163 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, 141, 43)` looks like.

```
.text, #text, p{  
    color:rgb(239, 141, 43)  
}
```

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, 141, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 141, 43) }
```

Border

The CSS property to change the border of an element to Yxy 37.5749, 0.5047, 0.4163 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, 141, 43) }
```

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

```
.border{ border-color:rgb(239, 141, 43) }
```

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

Here you see how a box with a 4 pixel rgb(239, 141, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 141, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 141, 43);  
box-shadow:4px 4px 4px 4px rgb(239, 141,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5749, 0.5047, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 141, 43) }
```

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

```
.background{ background-color: rgb(239,  
141, 43) }
```

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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