

Converting Colors

$Y_{xy}(42.2255, 0.4812, 0.4259)$

Have a look what the booklet for
Yxy(42.2255, 0.4812, 0.4259)
contains.

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Color

Yxy(42.2299, 0.4817, 0.4252)

Conversions

Conversions Part 1

Format	Color
Hex	EE9C37
RGB	238, 156, 55
RGB Percent	93%, 61%, 22%
CMY	0.0666, 0.3882, 0.7842
CMYK	0.00, 0.34, 0.77, 0.07
HSL	33°, 84%, 57%
HSV	33°, 77%, 93%
XYZ	47.8414, 42.2299, 9.2465
YIQ	169.0040, 81.2930, -14.0270

Conversions

Conversions Part 2

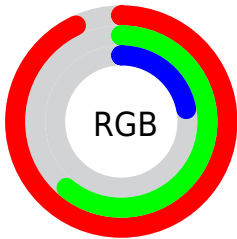
Format	Color
R _Y B	204, 238, 55
Decimal	15637559
CIE Lab	71.03, 22.61, 62.14
CIE LCh	71, 66.125, 70.008
Yxy	42.2299, 0.4817, 0.4252
Android (android.graphics.Color)	4293827639 (0xFFEE9C37)
YUV	169.0040, -56.2040, 60.5095
Hunter-Lab	64.9845, 17.6880, 37.0530

Details

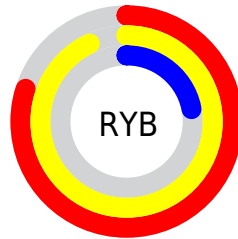
The Yxy color **42.2299, 0.4817, 0.4252** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **24.8875, 0.1920, 0.1841**, and the grayscale version is **39.9340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9527, 0.4193, 0.4297**, and **19.4503, 0.5133, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **38.6319, 0.5038, 0.4260**, and if you desaturate by 10%, it is **46.2566, 0.4571, 0.4193**.

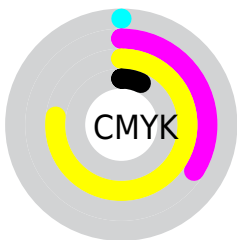
Distribution



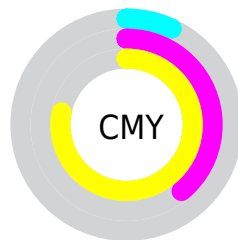
- Red (93%)
- Green (61%)
- Blue (22%)



- Red (80%)
- Yellow (93%)
- Blue (22%)



- Cyan (0%)
- Magenta (34%)
- Yellow (77%)
- Black (7%)




- Cyan (7%)
- Magenta (39%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2299, 0.4817, 0.4252 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 42.2299, 0.4817, 0.4252 by changing the saturation by 10% instead.


 42.2299, 0.4817,
0.4252

 42.2299, 0.4817,
0.4252

355.4351, 0.4010,
0.3865


 29.2814, 0.4987,
0.4306


 78.5475, 0.4543,
0.4141


 19.2938, 0.5183,
0.4350


 102.6852, 0.4434,
0.4090

 11.8827, 0.5409,
0.4370


 131.3216, 0.4339,
0.4043

 6.6639, 0.5662,
0.4338

 164.8408, 0.4256,
0.4001

 3.2528, 0.5858,
0.4142

 203.6274, 0.4183,
0.3962

 1.2651, 0.6180,
0.3820

 248.0657, 0.4118,

 0.1139, 0.8528,

0.3926

0.1472

298.5401, 0.4061,
0.3894

■ 0.0000, 0.0000,
0.0000

■ 42.2299, 0.4817,
0.4252

■ 42.2299, 0.4817,
0.4252

■ 38.6319, 0.5038,
0.4260

■ 46.2566, 0.4571,
0.4193

■ 35.4302, 0.5223,
0.4213


■ 50.7273, 0.4316,
0.4094

■ 34.5032, 0.5277,
0.4192

■ 55.6635, 0.4065,
0.3967


■ 61.0829, 0.3827,
0.3824

■ 67.0020, 0.3609,
0.3675

 73.4363, 0.3411,
0.3527

 80.4004, 0.3236,
0.3384

 87.9083, 0.3081,
0.3249

 95.0225, 0.3024,
0.3260

Harmonies

Analogous

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



42.2299, 0.4980, 0.3583



42.2299, 0.4817, 0.4252



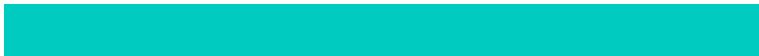
42.2299, 0.4196, 0.4847

Triad

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



42.2299, 0.4817, 0.4252



42.2299, 0.1853, 0.3454



42.2299, 0.2667, 0.2034

Complementary

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



42.2299, 0.4817, 0.4252



24.8875, 0.1920, 0.1841

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.



42.2299, 0.1982, 0.1904



42.2299, 0.4817, 0.4252



42.2299, 0.1571, 0.2553

Square

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



42.2299, 0.4817, 0.4252



42.2299, 0.2488, 0.4506



42.2299, 0.1620, 0.2054



42.2299, 0.3615, 0.2401

Rectangle

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



42.2299, 0.4817, 0.4252



42.2299, 0.3643, 0.5055



42.2299, 0.1620, 0.2054



42.2299, 0.2403, 0.1962

Sweetspot

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



42.2321, 0.4817, 0.4252



81.1422, 0.3531, 0.3618



22.7303, 0.4579, 0.2528



16.7980, 0.3605, 0.3673



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.



42.2321, 0.4817, 0.4252



43.0792, 0.5144, 0.4241



78.0671, 0.4048, 0.4974



17.2051, 0.3279, 0.3420



19.5096, 0.5255, 0.4209



1.8214, 0.5077, 0.4351

Inverse Universe

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



24.8875, 0.1920, 0.1841



22.1779, 0.1770, 0.1525



10.0040, 0.1709, 0.0903



16.3952, 0.2980, 0.3156



9.5217, 0.1725, 0.1410



0.9879, 0.1795, 0.1662

Previews

White Background



This preview shows how the Yxy color 42.2299, 0.4817, 0.4252 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 42.2299, 0.4817, 0.4252 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 42.2299, 0.4817, 0.4252

Background



This preview shows how black text looks on a background with the Yxy color 42.2299, 0.4817, 0.4252.



This preview shows how white text looks on a background with the Yxy color 42.2299, 0.4817, 0.4252.

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

42.2299, 0.4817, 0.4252

Protanopia

42.5883, 0.4215, 0.4644

Deuteranopia

42.2183, 0.4575, 0.4462



Tritanopia

42.2252, 0.4032, 0.3172

Trichromacy



Original Color

42.2299, 0.4817, 0.4252

Protanomaly

42.1596, 0.4441, 0.4498

Deuteranomaly

42.2665, 0.4663, 0.4387

Tritanomaly

42.0460, 0.4383, 0.3620

Monochromacy



Original Color

42.2299, 0.4817, 0.4252

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.5788, 0.3755, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2299, 0.4817, 0.4252 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, 156, 55)` looks like.

```
.text, #text, p{  
    color:rgb(238, 156, 55)  
}
```

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, 156, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 156, 55) }
```

Border

The CSS property to change the border of an element to Yxy 42.2299, 0.4817, 0.4252 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, 156, 55) }
```

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

```
.border{ border-color:rgb(238, 156, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 156, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 156, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 156, 55);  
box-shadow:4px 4px 4px 4px rgb(238, 156,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2299, 0.4817, 0.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 156, 55) }
```

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

```
.background{ background-color: rgb(238,  
156, 55) }
```

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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