

Converting Colors

$Y_{xy}(36.6710, 0.4921, 0.4050)$

Have a look what the booklet for
Yxy(36.6710, 0.4921, 0.4050)
contains.

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Color

Yxy(36.4752, 0.4924, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	EB8B3E
RGB	235, 139, 62
RGB Percent	92%, 55%, 24%
CMY	0.0784, 0.4549, 0.7568
CMYK	0.00, 0.41, 0.74, 0.08
HSL	27°, 81%, 58%
HSV	27°, 74%, 92%
XYZ	44.3685, 36.4752, 9.2630
YIQ	158.9260, 81.9330, -3.5950

Conversions

Conversions Part 2

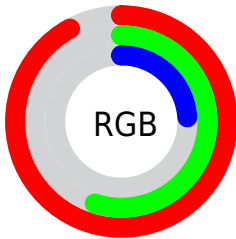
Format	Color
R _Y B	235, 201, 62
Decimal	15436606
CIE Lab	66.88, 30.62, 54.94
CIE LCh	67, 62.894, 60.867
Yxy	36.4752, 0.4924, 0.4048
Android (android.graphics.Color)	4293626686 (0xFFEB8B3E)
YUV	158.9260, -47.7845, 66.7169
Hunter-Lab	60.3947, 25.4431, 33.1828

Details

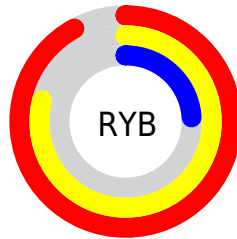
The Yxy color **36.4752, 0.4924, 0.4048** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **31.4960, 0.2031, 0.2189**, and the grayscale version is **34.8319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6148, 0.4273, 0.4089**, and **15.9869, 0.5369, 0.4094** is the 20% darker color. If you saturate the color by 10%, you get **32.7174, 0.5210, 0.4051**, and if you desaturate by 10%, it is **40.7992, 0.4621, 0.3998**.

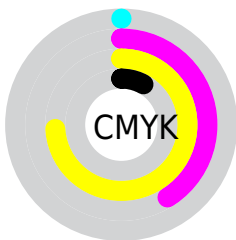
Distribution



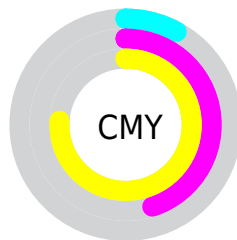
- Red (92%)
- Green (55%)
- Blue (24%)



- Red (92%)
- Yellow (79%)
- Blue (24%)



- Cyan (0%)
- Magenta (41%)
- Yellow (74%)
- Black (8%)





- Cyan (8%)
- Magenta (45%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4752, 0.4924, 0.4048 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 36.4752, 0.4924, 0.4048 by changing the saturation by 10% instead.


 36.4752, 0.4924,
0.4048


 36.4752, 0.4924,
0.4048


331.0328, 0.4027,
0.3755

 24.8014, 0.5127,
0.4081


 69.7649, 0.4609,
0.3969

 15.9292, 0.5368,
0.4097


 92.1496, 0.4487,
0.3931


 9.4740, 0.5660,
0.4080


 118.8734, 0.4382,
0.3895

 5.0517, 0.6009,
0.3991

 150.3207, 0.4291,
0.3862

 2.2776, 0.6309,
0.3691

 186.8759, 0.4212,
0.3831

 0.7618, 0.6830,
0.3170

228.9234, 0.4143,

 0.0000, 1.0000,

0.3803

0.0000

276.8476, 0.4081,
0.3778

■ 0.0000, 0.0000,
0.0000

■ 36.4752, 0.4924,
0.4048

■ 36.4752, 0.4924,
0.4048

■ 32.7174, 0.5210,
0.4051

■ 40.7992, 0.4621,
0.3998

■ 29.4886, 0.5457,
0.3998


■ 45.7113, 0.4322,
0.3912

■ 27.6800, 0.5592,
0.3941


■ 51.2389, 0.4040,
0.3804


■ 57.4056, 0.3783,
0.3685

■ 64.2333, 0.3556,
0.3563

 71.7429, 0.3356,
0.3443

 79.9543, 0.3184,
0.3329

 88.8864, 0.3034,
0.3223

 96.4055, 0.3005,
0.3290

Harmonies

Analogous

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



36.4752, 0.4906, 0.3384



36.4752, 0.4924, 0.4048



36.4752, 0.4418, 0.4686

Triad

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



36.4752, 0.4924, 0.4048



36.4752, 0.2012, 0.3784



36.4752, 0.2425, 0.1969

Complementary

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



36.4752, 0.4924, 0.4048



31.4960, 0.2031, 0.2189

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.



36.4752, 0.1839, 0.1919



36.4752, 0.4924, 0.4048



36.4752, 0.1621, 0.2788

Square

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



36.4752, 0.4924, 0.4048



36.4752, 0.2737, 0.4753



36.4752, 0.1574, 0.2167



36.4752, 0.3311, 0.2268

Rectangle

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



36.4752, 0.4924, 0.4048



36.4752, 0.3904, 0.4988



36.4752, 0.1574, 0.2167



36.4752, 0.2193, 0.1923

Sweetspot

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



36.4771, 0.4924, 0.4048



78.6148, 0.3524, 0.3544



23.6537, 0.4167, 0.2328



16.3234, 0.3582, 0.3578



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.



36.4771, 0.4924, 0.4048



37.4391, 0.5334, 0.4032



71.0493, 0.4174, 0.4809



16.1573, 0.3282, 0.3395



15.6483, 0.5566, 0.3963



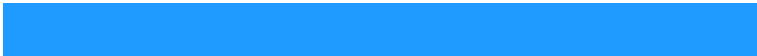
1.4180, 0.5329, 0.4151

Inverse Universe

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



31.4960, 0.2031, 0.2189



31.0015, 0.1893, 0.1933



11.8633, 0.1746, 0.1067



15.9356, 0.2981, 0.3183



12.5484, 0.1825, 0.1768



1.1768, 0.1888, 0.1997

Previews

White Background



This preview shows how the Yxy color 36.4752, 0.4924, 0.4048 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 36.4752, 0.4924, 0.4048 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 36.4752, 0.4924, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 36.4752, 0.4924, 0.4048.



This preview shows how white text looks on a background with the Yxy color 36.4752, 0.4924, 0.4048.

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

36.4752, 0.4924, 0.4048

Protanopia

36.5691, 0.4133, 0.4517

Deuteranopia

36.5755, 0.4507, 0.4412



Tritanopia

36.4768, 0.4241, 0.3194

Trichromacy



Original Color

36.4752, 0.4924, 0.4048

Protanomaly

35.9221, 0.4429, 0.4343

Deuteranomaly

36.2577, 0.4661, 0.4272

Tritanomaly

36.3972, 0.4535, 0.3534

Monochromacy



Original Color

36.4752, 0.4924, 0.4048

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.4765, 0.3774, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4752, 0.4924, 0.4048 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(235, 139, 62)` looks like.

```
.text, #text, p{  
    color:rgb(235, 139, 62)  
}
```

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(235, 139, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 139, 62) }
```

Border

The CSS property to change the border of an element to Yxy 36.4752, 0.4924, 0.4048 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(235, 139, 62) }
```

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

```
.border{ border-color:rgb(235, 139, 62) }
```

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

Here you see how a box with a 4 pixel rgb(235, 139, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 139, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 139, 62);  
box-shadow:4px 4px 4px 4px rgb(235, 139,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4752, 0.4924, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 139, 62) }
```

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

```
.background{ background-color: rgb(235,  
139, 62) }
```

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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