

Converting Colors

$Y_{xy}(43.2183, 0.4739, 0.4190)$

Have a look what the booklet for
Yxy(43.2183, 0.4739, 0.4190)
contains.

Yxy(43.2097, 0.4736, 0.4190)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.2097, 0.4736, 0.4190)

Conversions

Conversions Part 1

Format	Color
Hex	EF9E43
RGB	239, 158, 67
RGB Percent	94%, 62%, 26%
CMY	0.0627, 0.3804, 0.7373
CMYK	0.00, 0.34, 0.72, 0.06
HSL	32°, 84%, 60%
HSV	32°, 72%, 94%
XYZ	48.8404, 43.2097, 11.0757
YIQ	171.8450, 77.4870, -11.1290

Conversions

Conversions Part 2

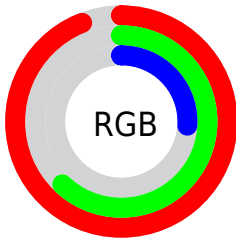
Format	Color
R _Y B	220, 239, 67
Decimal	15703619
CIE Lab	71.70, 22.48, 57.84
CIE LCh	72, 62.055, 68.763
Yxy	43.2097, 0.4736, 0.4190
Android (android.graphics.Color)	4293893699 (0xFFEF9E43)
YUV	171.8450, -51.6886, 58.8949
Hunter-Lab	65.7341, 17.5907, 36.0239

Details

The Yxy color **43.2097, 0.4736, 0.4190** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **28.6105, 0.1995, 0.2004**, and the grayscale version is **41.4108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2046, 0.4113, 0.4220**, and **19.7862, 0.5110, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **39.3157, 0.4983, 0.4219**, and if you desaturate by 10%, it is **47.5782, 0.4473, 0.4115**.

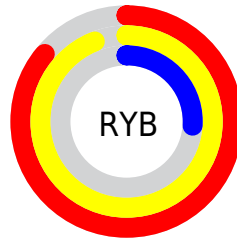
Distribution



Red (94%)

Green (62%)

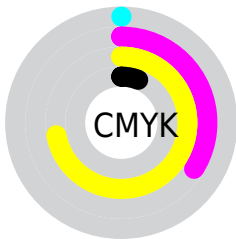
Blue (26%)



Red (86%)

Yellow (94%)

Blue (26%)

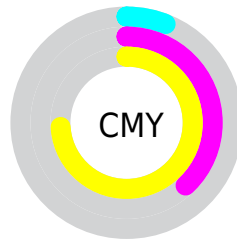


Cyan (0%)

Magenta (34%)

Yellow (72%)

Black (6%)



Cyan (6%)


Magenta (38%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2097, 0.4736, 0.4190 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 43.2097, 0.4736, 0.4190 by changing the saturation by 10% instead.

 43.2097, 0.4736,
0.4190


 43.2097, 0.4736,
0.4190


359.4734, 0.3960,
0.3820


 30.0497, 0.4905,
0.4247


 80.0272, 0.4469,
0.4080

 19.8763, 0.5102,
0.4297


 104.4535, 0.4364,
0.4032

 12.3052, 0.5329,
0.4325


 133.4040, 0.4273,
0.3987

 6.9519, 0.5648,
0.4352

 167.2631, 0.4194,
0.3947

 3.4320, 0.5837,
0.4163

 206.4152, 0.4124,
0.3910

 1.3612, 0.6146,
0.3854

251.2447, 0.4063,

 0.1879, 0.7947,

0.3877

0.2053

302.1360, 0.4008,
0.3847

0.0000, 0.0000,
0.0000

43.2097, 0.4736,
0.4190

43.2097, 0.4736,
0.4190

39.3157, 0.4983,
0.4219

47.5782, 0.4473,
0.4115

35.8645, 0.5198,
0.4194


52.4366, 0.4209,
0.4005

33.3888, 0.5344,
0.4138

57.8071, 0.3957,
0.3874

63.7082, 0.3723,
0.3733

70.1572, 0.3512,
0.3589

 77.1704, 0.3323,
0.3449

 84.7633, 0.3157,
0.3315

 92.7423, 0.3030,
0.3221

 97.0933, 0.3029,
0.3290

Harmonies

Analogous

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



43.2097, 0.4853, 0.3558



43.2097, 0.4736, 0.4190



43.2097, 0.4176, 0.4740

Triad

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



43.2097, 0.4736, 0.4190



43.2097, 0.1951, 0.3490



43.2097, 0.2667, 0.2092

Complementary

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



43.2097, 0.4736, 0.4190



28.6105, 0.1995, 0.2004

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.



43.2097, 0.2028, 0.1981



43.2097, 0.4736, 0.4190



43.2097, 0.1662, 0.2637

Square

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



43.2097, 0.4736, 0.4190



43.2097, 0.2567, 0.4446



43.2097, 0.1694, 0.2142



43.2097, 0.3547, 0.2435

Rectangle

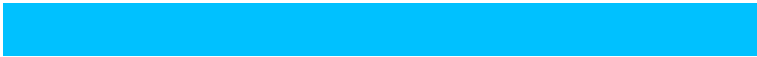
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.2097, 0.4736, 0.4190



43.2097, 0.3661, 0.4930



43.2097, 0.1694, 0.2142



43.2097, 0.2421, 0.2028

Sweetspot

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



43.2119, 0.4736, 0.4190



81.1843, 0.3514, 0.3591



24.5740, 0.4352, 0.2480



16.9284, 0.3569, 0.3630



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.



43.2119, 0.4736, 0.4190



43.7494, 0.5081, 0.4215



80.0051, 0.4062, 0.4885



17.1432, 0.3280, 0.3415



18.7142, 0.5321, 0.4157



1.7560, 0.5132, 0.4307

Inverse Universe

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



28.6105, 0.1995, 0.2004



26.0507, 0.1839, 0.1712



11.5441, 0.1756, 0.1008



16.4564, 0.2980, 0.3162



10.1751, 0.1745, 0.1483



1.0441, 0.1814, 0.1729

Previews

White Background



This preview shows how the Yxy color 43.2097, 0.4736, 0.4190 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 43.2097, 0.4736, 0.4190 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 43.2097, 0.4736, 0.4190

Background



This preview shows how black text looks on a background with the Yxy color 43.2097, 0.4736, 0.4190.



This preview shows how white text looks on a background with the Yxy color 43.2097, 0.4736, 0.4190.

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

43.2097, 0.4736, 0.4190

Protanopia

43.2543, 0.4149, 0.4548

Deuteranopia

43.2232, 0.4500, 0.4395



Tritanopia

43.0955, 0.4012, 0.3172

Trichromacy



Original Color

43.2097, 0.4736, 0.4190

Protanomaly

42.8152, 0.4372, 0.4410

Deuteranomaly

43.2635, 0.4586, 0.4322

Tritanomaly

43.0175, 0.4320, 0.3577

Monochromacy



Original Color

43.2097, 0.4736, 0.4190

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.0944, 0.3706, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2097, 0.4736, 0.4190 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, 158, 67)` looks like.

```
.text, #text, p{  
    color:rgb(239, 158, 67)  
}
```

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, 158, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 158, 67) }
```

Border

The CSS property to change the border of an element to Yxy 43.2097, 0.4736, 0.4190 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, 158, 67) }
```

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

```
.border{ border-color:rgb(239, 158, 67) }
```

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

Here you see how a box with a 4 pixel rgb(239, 158, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 158, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 158, 67);  
box-shadow:4px 4px 4px 4px rgb(239, 158,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2097, 0.4736, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 158, 67) }
```

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

```
.background{ background-color: rgb(239,  
158, 67) }
```

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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