

Converting Colors

$Y_{xy}(37.2663, 0.4995, 0.4162)$

Have a look what the booklet for
Yxy(37.2663, 0.4995, 0.4162)
contains.

Yxy(37.3841, 0.4992, 0.4167)	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(37.3841, 0.4992, 0.4167)

Conversions

Conversions Part 1

Format	Color
Hex	EC8E2F
RGB	236, 142, 47
RGB Percent	93%, 56%, 18%
CMY	0.0744, 0.4432, 0.8157
CMYK	0.00, 0.40, 0.80, 0.07
HSL	30°, 83%, 55%
HSV	30°, 80%, 93%
XYZ	44.7856, 37.3841, 7.5450
YIQ	159.2760, 86.5190, -9.6170

Conversions

Conversions Part 2

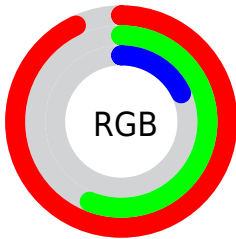
Format	Color
R _Y B	234, 236, 47
Decimal	15502895
CIE Lab	67.56, 28.89, 61.93
CIE LCh	68, 68.334, 64.993
Yxy	37.3841, 0.4992, 0.4167
Android (android.graphics.Color)	4293692975 (0xFFEC8E2F)
YUV	159.2760, -55.3521, 67.2869
Hunter-Lab	61.1425, 23.7479, 35.4834

Details

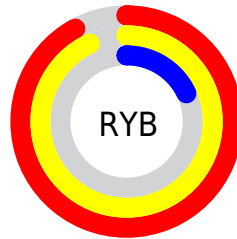
The Yxy color **37.3841, 0.4992, 0.4167** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.7254, 0.1921, 0.1912**, and the grayscale version is **35.0338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6600, 0.4347, 0.4236**, and **16.4808, 0.5334, 0.4147** is the 20% darker color. If you saturate the color by 10%, you get **33.9324, 0.5227, 0.4146**, and if you desaturate by 10%, it is **41.3107, 0.4727, 0.4134**.

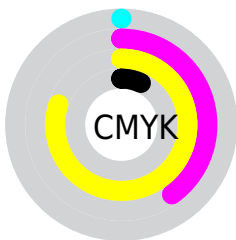
Distribution



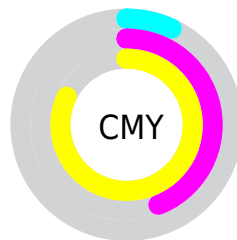
- Red (93%)
- Green (56%)
- Blue (18%)



- Red (92%)
- Yellow (93%)
- Blue (18%)



- Cyan (0%)
- Magenta (40%)
- Yellow (80%)
- Black (7%)





- Cyan (7%)
- Magenta (44%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3841, 0.4992, 0.4167 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 37.3841, 0.4992, 0.4167 by changing the saturation by 10% instead.


 37.3841, 0.4992,
0.4167


 37.3841, 0.4992,
0.4167


334.9705, 0.4083,
0.3834


 25.5050, 0.5186,
0.4201


 71.1631, 0.4681,
0.4081


 16.4537, 0.5409,
0.4213


 93.8319, 0.4558,
0.4037

 9.8458, 0.5703,
0.4213


 120.8660, 0.4451,
0.3996

 5.2968, 0.5935,
0.4065

 152.6498, 0.4358,
0.3958

 2.4225, 0.6214,
0.3786

 189.5678, 0.4276,
0.3923

 0.8374, 0.6684,
0.3316

 232.0043, 0.4204,

 0.0000, 1.0000,

0.3891

0.0000

280.3437, 0.4140,
0.3862

■ 0.0000, 0.0000,
0.0000

■ 37.3841, 0.4992,
0.4167

■ 37.3841, 0.4992,
0.4167

■ 33.9324, 0.5227,
0.4146

■ 41.3107, 0.4727,
0.4134

■ 30.9375, 0.5422,
0.4077


■ 45.7316, 0.4451,
0.4057

■ 50.6716, 0.4179,
0.3948

■ 56.1512, 0.3922,
0.3821

■ 62.1897, 0.3687,
0.3686

 68.8052, 0.3477,
0.3549

 76.0147, 0.3291,
0.3417

 83.8344, 0.3128,
0.3291

 91.9912, 0.3012,
0.3217

Harmonies

Analogous

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



37.3841, 0.5080, 0.3465



37.3841, 0.4992, 0.4167



37.3841, 0.4381, 0.4845

Triad

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



37.3841, 0.4992, 0.4167



37.3841, 0.1853, 0.3655



37.3841, 0.2487, 0.1919

Complementary

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



37.3841, 0.4992, 0.4167



25.7254, 0.1921, 0.1912

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.



37.3841, 0.1824, 0.1827



37.3841, 0.4992, 0.4167



37.3841, 0.1502, 0.2622

Square

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



37.3841, 0.4992, 0.4167



37.3841, 0.2575, 0.4771



37.3841, 0.1503, 0.2032



37.3841, 0.3466, 0.2266

Rectangle

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



37.3841, 0.4992, 0.4167



37.3841, 0.3810, 0.5151



37.3841, 0.1503, 0.2032



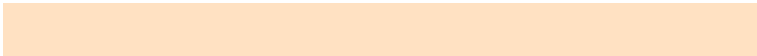
37.3841, 0.2226, 0.1858

Sweetspot

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



37.3861, 0.4992, 0.4167



78.7550, 0.3558, 0.3604



21.8099, 0.4508, 0.2430



16.2573, 0.3634, 0.3653



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.



37.3861, 0.4992, 0.4167



38.1154, 0.5354, 0.4105



78.0508, 0.4135, 0.4956



16.3049, 0.3280, 0.3409



17.3081, 0.5398, 0.4096



1.5516, 0.5186, 0.4264

Inverse Universe

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



25.7254, 0.1921, 0.1912



23.7852, 0.1785, 0.1607



8.6958, 0.1633, 0.0819



15.7869, 0.2981, 0.3169



10.6629, 0.1770, 0.1572



1.0296, 0.1840, 0.1823

Previews

White Background



This preview shows how the Yxy color 37.3841, 0.4992, 0.4167 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 37.3841, 0.4992, 0.4167 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 37.3841, 0.4992, 0.4167

Background



This preview shows how black text looks on a background with the Yxy color 37.3841, 0.4992, 0.4167.



This preview shows how white text looks on a background with the Yxy color 37.3841, 0.4992, 0.4167.

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

37.3841, 0.4992, 0.4167

Protanopia

37.4816, 0.4242, 0.4662

Deuteranopia

37.5394, 0.4598, 0.4520



Tritanopia

37.4288, 0.4228, 0.3194

Trichromacy



Original Color

37.3841, 0.4992, 0.4167

Protanomaly

37.1903, 0.4521, 0.4477

Deuteranomaly

37.5363, 0.4746, 0.4390

Tritanomaly

37.0206, 0.4584, 0.3606

Monochromacy



Original Color

37.3841, 0.4992, 0.4167

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.6553, 0.3830, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3841, 0.4992, 0.4167 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(236, 142, 47)` looks like.

```
.text, #text, p{  
    color:rgb(236, 142, 47)  
}
```

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(236, 142, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 142, 47) }
```

Border

The CSS property to change the border of an element to Yxy 37.3841, 0.4992, 0.4167 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(236, 142, 47) }
```

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

```
.border{ border-color:rgb(236, 142, 47) }
```

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

Here you see how a box with a 4 pixel rgb(236, 142, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 142, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 142, 47);  
box-shadow:4px 4px 4px 4px rgb(236, 142,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3841, 0.4992, 0.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 142, 47) }
```

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

```
.background{ background-color: rgb(236,  
142, 47) }
```

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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