

Converting Colors

$Y_{xy}(41.0422, 0.4714, 0.4243)$

Have a look what the booklet for
Yxy(41.0422, 0.4714, 0.4243)
contains.

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Color

Yxy(41.1137, 0.4717, 0.4242)

Conversions

Conversions Part 1

Format	Color
Hex	E79C3E
RGB	231, 156, 62
RGB Percent	91%, 61%, 24%
CMY	0.0941, 0.3882, 0.7567
CMYK	0.00, 0.32, 0.73, 0.09
HSL	33°, 78%, 57%
HSV	33°, 73%, 91%
XYZ	45.7174, 41.1137, 10.0894
YIQ	167.7090, 74.8740, -13.3340

Conversions

Conversions Part 2

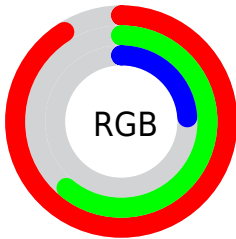
Format	Color
RYB	197, 231, 62
Decimal	15178814
CIELab	70.26, 19.97, 58.21
CIElCh	70, 61.542, 71.068
Yxy	41.1137, 0.4717, 0.4242
Android (android.graphics.Color)	4293368894 (0xFFE79C3E)
YUV	167.7090, -52.1145, 55.5062
Hunter-Lab	64.1200, 15.0603, 35.5546

Details

The Yxy color **41.1137, 0.4717, 0.4242** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **24.7041, 0.1965, 0.1913**, and the grayscale version is **39.2439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0863, 0.4157, 0.4246**, and **18.6492, 0.5061, 0.4364** is the 20% darker color. If you saturate the color by 10%, you get **37.6156, 0.4947, 0.4272**, and if you desaturate by 10%, it is **45.0143, 0.4468, 0.4165**.

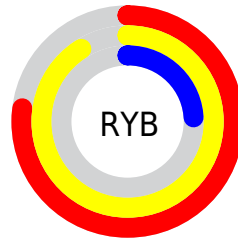
Distribution



Red (91%)

Green (61%)

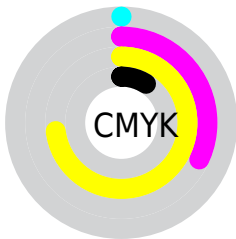
Blue (24%)



Red (77%)

Yellow (91%)

Blue (24%)

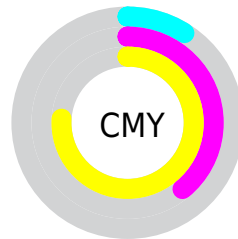


Cyan (0%)

Magenta (32%)

Yellow (73%)

Black (9%)



Cyan (9%)


Magenta (39%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1137, 0.4717, 0.4242 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 41.1137, 0.4717, 0.4242 by changing the saturation by 10% instead.


 41.1137, 0.4717,
0.4242

 41.1137, 0.4717,
0.4242

350.7956, 0.3947,
0.3842

 28.4079, 0.4884,
0.4305


 76.8565, 0.4453,
0.4122


 18.6334, 0.5078,
0.4362


 100.6623, 0.4348,
0.4069


 11.4057, 0.5300,
0.4398


 128.9368, 0.4258,
0.4021

 6.3404, 0.5586,
0.4414

 162.0646, 0.4179,
0.3977

 3.0531, 0.5769,
0.4231

 200.4300, 0.4110,
0.3938

 1.1595, 0.6075,
0.3925

244.4174, 0.4050,

 0.0283, 0.9479,

0.3903

0.0521

294.4111, 0.3996,
0.3871

0.0000, 0.0000,
0.0000

41.1137, 0.4717,
0.4242

41.1137, 0.4717,
0.4242

37.6156, 0.4947,
0.4272

45.0143, 0.4468,
0.4165

34.4920, 0.5145,
0.4247

49.3303, 0.4215,
0.4053

32.5481, 0.5262,
0.4204

54.0809, 0.3970,
0.3918

59.2820, 0.3741,
0.3771

64.9483, 0.3531,
0.3621

■ 71.0937, 0.3343,
0.3474

■ 77.7314, 0.3176,
0.3333

■ 84.8740, 0.3028,
0.3200

■ 91.5324, 0.2981,
0.3223

Harmonies

Analogous

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



41.1137, 0.4878, 0.3606



41.1137, 0.4717, 0.4242



41.1137, 0.4126, 0.4783

Triad

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



41.1137, 0.4717, 0.4242



41.1137, 0.1907, 0.3415



41.1137, 0.2725, 0.2103

Complementary

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



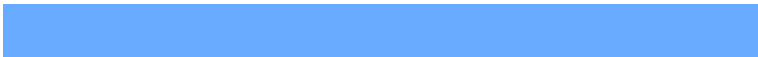
41.1137, 0.4717, 0.4242



24.7041, 0.1965, 0.1913

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.



41.1137, 0.2059, 0.1972



41.1137, 0.4717, 0.4242



41.1137, 0.1643, 0.2579

Square

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



41.1137, 0.4717, 0.4242



41.1137, 0.2505, 0.4392



41.1137, 0.1700, 0.2110



41.1137, 0.3622, 0.2463

Rectangle

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



41.1137, 0.4717, 0.4242



41.1137, 0.3600, 0.4950



41.1137, 0.1700, 0.2110



41.1137, 0.2470, 0.2032

Sweetspot

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



41.1158, 0.4717, 0.4242



82.0248, 0.3511, 0.3606



22.2786, 0.4470, 0.2536



17.1268, 0.3565, 0.3647



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.



41.1158, 0.4717, 0.4242



44.9247, 0.5057, 0.4265



73.1271, 0.4026, 0.4928



15.6904, 0.3279, 0.3421



18.4960, 0.5240, 0.4221



1.5514, 0.5046, 0.4376

Inverse Universe

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



24.7041, 0.1965, 0.1913



23.5302, 0.1800, 0.1591



10.5408, 0.1767, 0.0995



14.9351, 0.2981, 0.3156



8.8621, 0.1722, 0.1400



0.8377, 0.1801, 0.1682

Previews

White Background



This preview shows how the Yxy color 41.1137, 0.4717, 0.4242 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 41.1137, 0.4717, 0.4242 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 41.1137, 0.4717, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 41.1137, 0.4717, 0.4242.



This preview shows how white text looks on a background with the Yxy color 41.1137, 0.4717, 0.4242.

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

41.1137, 0.4717, 0.4242

Protanopia

41.1168, 0.4172, 0.4574

Deuteranopia

41.3242, 0.4506, 0.4421



Tritanopia

40.9966, 0.3964, 0.3168

Trichromacy



Original Color

41.1137, 0.4717, 0.4242

Protanomaly

40.7759, 0.4373, 0.4452

Deuteranomaly

41.1988, 0.4584, 0.4351

Tritanomaly

40.8800, 0.4297, 0.3608

Monochromacy



Original Color

41.1137, 0.4717, 0.4242

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.2123, 0.3715, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1137, 0.4717, 0.4242 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(231, 156, 62)` looks like.

```
.text, #text, p{  
    color:rgb(231, 156, 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(231, 156, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 156, 62) }
```

Border

The CSS property to change the border of an element to Yxy 41.1137, 0.4717, 0.4242 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(231, 156, 62) }
```

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

```
.border{ border-color:rgb(231, 156, 62) }
```

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

Here you see how a box with a 4 pixel rgb(231, 156, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 156, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 156, 62);  
box-shadow:4px 4px 4px 4px rgb(231, 156,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1137, 0.4717, 0.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 156, 62) }
```

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

```
.background{ background-color: rgb(231,  
156, 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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