

Converting Colors

$Y_{xy}(46.6140, 0.4238, 0.3817)$

Have a look what the booklet for
Yxy(46.6140, 0.4238, 0.3817)
contains.

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Color

Yxy(46.4372, 0.4237, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	ECA677
RGB	236, 166, 119
RGB Percent	93%, 65%, 47%
CMY	0.0745, 0.3490, 0.5334
CMYK	0.00, 0.30, 0.50, 0.07
HSL	24°, 76%, 70%
HSV	24°, 50%, 93%
XYZ	51.5604, 46.4372, 23.6932
YIQ	181.5720, 56.8070, 0.2230

Conversions

Conversions Part 2

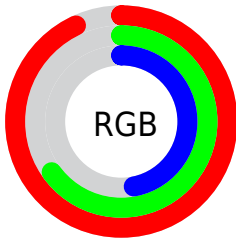
Format	Color
R _Y B	236, 198, 119
Decimal	15509111
CIE Lab	73.83, 20.59, 34.58
CIE LCh	74, 40.247, 59.227
Yxy	46.4372, 0.4237, 0.3816
Android (android.graphics.Color)	4293699191 (0xFFECA677)
YUV	181.5720, -30.8480, 47.7334
Hunter-Lab	68.1448, 15.8048, 27.0869

Details

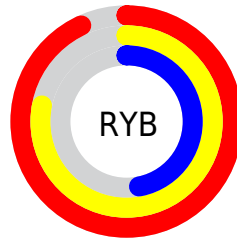
The Yxy color **46.4372, 0.4237, 0.3816** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.3711, 0.2360, 0.2673**, and the grayscale version is **46.6827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9515, 0.3722, 0.3793**, and **21.8239, 0.4530, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **41.0864, 0.4548, 0.3902**, and if you desaturate by 10%, it is **52.4969, 0.3952, 0.3713**.

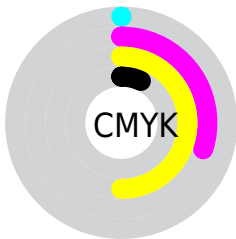
Distribution



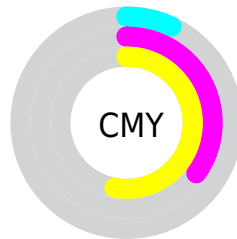
- Red (93%)
- Green (65%)
- Blue (47%)



- Red (93%)
- Yellow (78%)
- Blue (47%)



- Cyan (0%)
- Magenta (30%)
- Yellow (50%)
- Black (7%)




- Cyan (7%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4372, 0.4237, 0.3816 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 46.4372, 0.4237, 0.3816 by changing the saturation by 10% instead.


 46.4372, 0.4237,
0.3816


 46.4372, 0.4237,
0.3816


372.5636, 0.3683,
0.3582


 32.5910, 0.4371,
0.3863


 84.8729, 0.4038,
0.3739

 21.8133, 0.4540,
0.3916


 110.2312, 0.3962,
0.3707

 13.7198, 0.4756,
0.3973


 140.1956, 0.3898,
0.3680

 7.9260, 0.5038,
0.4027

175.1506, 0.3843,
0.3656

 4.0476, 0.5455,
0.4086

215.4804, 0.3795,
0.3634

 1.7003, 0.5975,
0.4025

261.5696, 0.3753,

 0.4238, 0.6816,

0.3615

0.3184

313.8025, 0.3716,
0.3597

0.0000, 0.0000,
0.0000

46.4372, 0.4237,
0.3816

46.4372, 0.4237,
0.3816

41.0864, 0.4548,
0.3902

52.4969, 0.3952,
0.3713

36.4090, 0.4872,
0.3958

59.2855, 0.3698,
0.3603

32.3760, 0.5189,
0.3972

66.8306, 0.3476,
0.3493

28.9528, 0.5474,
0.3934

75.1560, 0.3285,
0.3386

26.0947, 0.5708,
0.3846

84.2846, 0.3121,
0.3286

■ 25.9869, 0.5718,
0.3842

■ 93.8727, 0.3012,
0.3247

■ 96.5750, 0.3011,
0.3290

Harmonies

Analogous

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



46.4372, 0.4169, 0.3381



46.4372, 0.4237, 0.3816



46.4372, 0.3984, 0.4174

Triad

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



46.4372, 0.4237, 0.3816



46.4372, 0.2477, 0.3622



46.4372, 0.2681, 0.2431

Complementary

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



46.4372, 0.4237, 0.3816



46.3711, 0.2360, 0.2673

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.



46.4372, 0.2295, 0.2425



46.4372, 0.4237, 0.3816



46.4372, 0.2183, 0.3056

Square

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



46.4372, 0.4237, 0.3816



46.4372, 0.2957, 0.4119



46.4372, 0.2123, 0.2632



46.4372, 0.3223, 0.2623

Rectangle

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



46.4372, 0.4237, 0.3816



46.4372, 0.3684, 0.4303



46.4372, 0.2123, 0.2632



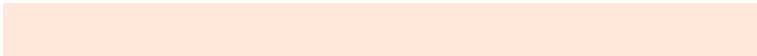
46.4372, 0.2531, 0.2407

Sweetspot

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



46.4395, 0.4237, 0.3816



84.0360, 0.3386, 0.3444



34.7079, 0.3668, 0.2526



17.5441, 0.3428, 0.3467



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.



46.4395, 0.4237, 0.3816



48.5805, 0.4569, 0.3907



72.6444, 0.3910, 0.4393



16.0473, 0.3283, 0.3385



14.5605, 0.5689, 0.3865



1.3273, 0.5437, 0.4065

Inverse Universe

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



46.3711, 0.2360, 0.2673



48.4200, 0.2215, 0.2511



26.1265, 0.2206, 0.1870



16.0477, 0.2981, 0.3193



14.1293, 0.1867, 0.1919



1.2971, 0.1925, 0.2129

Previews

White Background



This preview shows how the Yxy color 46.4372, 0.4237, 0.3816 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 46.4372, 0.4237, 0.3816 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 46.4372, 0.4237, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 46.4372, 0.4237, 0.3816.



This preview shows how white text looks on a background with the Yxy color 46.4372, 0.4237, 0.3816.

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

46.4372, 0.4237, 0.3816

Protanopia

46.8069, 0.3733, 0.4021

Deuteranopia

46.6165, 0.4048, 0.3967



Tritanopia

46.2618, 0.3802, 0.3158

Trichromacy



Original Color

46.4372, 0.4237, 0.3816

Protanomaly

46.3296, 0.3910, 0.3941

Deuteranomaly

46.4414, 0.4113, 0.3907

Tritanomaly

46.4584, 0.3971, 0.3405

Monochromacy



Original Color

46.4372, 0.4237, 0.3816

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1104, 0.3508, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4372, 0.4237, 0.3816 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, 166, 119)` looks like.

```
.text, #text, p{  
    color:rgb(236, 166, 119)  
}
```

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, 166, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 166, 119) }
```

Border

The CSS property to change the border of an element to Yxy 46.4372, 0.4237, 0.3816 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, 166, 119) }
```

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

```
.border{ border-color:rgb(236, 166, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 166, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 166, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 166, 119);  
box-shadow:4px 4px 4px 4px rgb(236, 166,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4372, 0.4237, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 166, 119) }
```

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

```
.background{ background-color: rgb(236,  
166, 119) }
```

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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