

Converting Colors

$Y_{xy}(42.8075, 0.4311, 0.3980)$

Have a look what the booklet for
Yxy(42.8075, 0.4311, 0.3980)
contains.

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Color

Yxy(42.8075, 0.4311, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	E1A266
RGB	225, 162, 102
RGB Percent	88%, 64%, 40%
CMY	0.1177, 0.3647, 0.6001
CMYK	0.00, 0.28, 0.55, 0.12
HSL	29°, 67%, 64%
HSV	29°, 55%, 88%
XYZ	46.3676, 42.8075, 18.3814
YIQ	173.9970, 56.8080, -5.3040

Conversions

Conversions Part 2

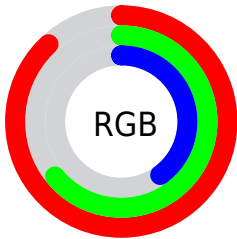
Format	Color
R _Y B	225, 219, 102
Decimal	14787174
CIE Lab	71.42, 16.78, 40.20
CIE LCh	71, 43.557, 67.343
Yxy	42.8075, 0.4311, 0.3980
Android (android.graphics.Color)	4292977254 (0xFFE1A266)
YUV	173.9970, -35.4945, 44.7296
Hunter-Lab	65.4274, 12.0027, 29.1421

Details

The Yxy color **42.8075, 0.4311, 0.3980** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.1537, 0.2258, 0.2442**, and the grayscale version is **42.4897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2188, 0.3864, 0.3936**, and **19.6244, 0.4638, 0.4108** is the 20% darker color. If you saturate the color by 10%, you get **38.5478, 0.4592, 0.4073**, and if you desaturate by 10%, it is **47.5644, 0.4042, 0.3864**.

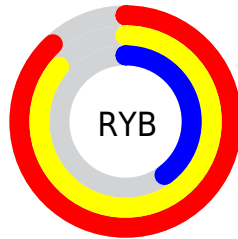
Distribution



Red (88%)

Green (64%)

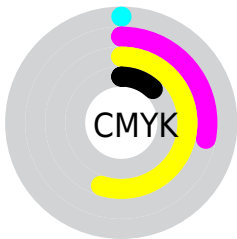
Blue (40%)



Red (88%)

Yellow (86%)

Blue (40%)

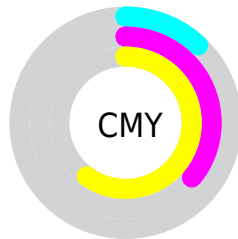


Cyan (0%)

Magenta (28%)

Yellow (55%)

Black (12%)



Cyan (12%)


Magenta (36%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8075, 0.4311, 0.3980 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 42.8075, 0.4311, 0.3980 by changing the saturation by 10% instead.


 42.8075, 0.4311,
0.3980

 42.8075, 0.4311,
0.3980


357.8195, 0.3719,
0.3666

 29.7341, 0.4453,
0.4044


 79.4203, 0.4099,
0.3876

 19.6369, 0.4629,
0.4116


 103.7285, 0.4018,
0.3833

 12.1313, 0.4851,
0.4192


 132.5504, 0.3949,
0.3796

 6.8332, 0.5130,
0.4260

 166.2704, 0.3890,
0.3764

 3.3580, 0.5612,
0.4388

205.2729, 0.3839,
0.3735

 1.3214, 0.5860,
0.4140

249.9424, 0.3794,

 0.1577, 0.7801,

0.3709

0.2199

300.6631, 0.3754,
0.3686

0.0000, 0.0000,
0.0000

42.8075, 0.4311,
0.3980

42.8075, 0.4311,
0.3980

38.5478, 0.4592,
0.4073

47.5644, 0.4042,
0.3864

34.7588, 0.4872,
0.4129

52.8305, 0.3794,
0.3735

31.4208, 0.5133,
0.4136

58.6253, 0.3571,
0.3602

28.5085, 0.5356,
0.4088

64.9652, 0.3373,
0.3471

27.1160, 0.5461,
0.4046

71.8655, 0.3200,
0.3346

■ 79.3412, 0.3050,
0.3229

■ 87.1152, 0.2944,
0.3164

■ 94.2142, 0.2946,
0.3281

■ 94.7467, 0.2946,
0.3289

Harmonies

Analogous

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



42.8075, 0.4344, 0.3511



42.8075, 0.4311, 0.3980



42.8075, 0.3945, 0.4340

Triad

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



42.8075, 0.4311, 0.3980



42.8075, 0.2295, 0.3480



42.8075, 0.2780, 0.2387

Complementary

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



42.8075, 0.4311, 0.3980



35.1537, 0.2258, 0.2442

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.



42.8075, 0.2303, 0.2319



42.8075, 0.4311, 0.3980



42.8075, 0.2046, 0.2874

Square

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



42.8075, 0.4311, 0.3980



42.8075, 0.2775, 0.4095



42.8075, 0.2051, 0.2474



42.8075, 0.3406, 0.2644

Rectangle

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



42.8075, 0.4311, 0.3980



42.8075, 0.3580, 0.4436



42.8075, 0.2051, 0.2474



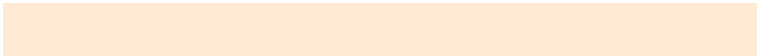
42.8075, 0.2599, 0.2341

Sweetspot

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



42.8096, 0.4311, 0.3980



85.0343, 0.3400, 0.3489



28.2400, 0.3879, 0.2569



17.8190, 0.3440, 0.3516



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.



42.8096, 0.4311, 0.3980



50.2575, 0.4642, 0.4086



69.7111, 0.3925, 0.4574



14.7993, 0.3280, 0.3405



15.8587, 0.5437, 0.4065



1.2781, 0.5195, 0.4257

Inverse Universe

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



35.1537, 0.2258, 0.2442



39.0675, 0.2093, 0.2218



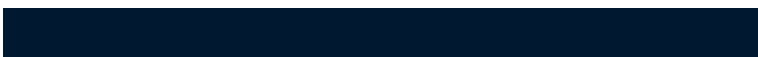
18.1642, 0.2077, 0.1571



14.3979, 0.2981, 0.3173



10.4588, 0.1784, 0.1624



0.9041, 0.1861, 0.1898

Previews

White Background



This preview shows how the Yxy color 42.8075, 0.4311, 0.3980 looks on a white background.

Color Contrast Check

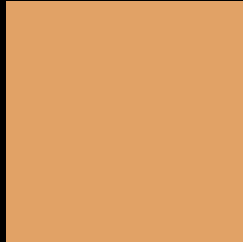
Large Text (above 18pt) WCAG AA × Fail

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 42.8075, 0.4311, 0.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

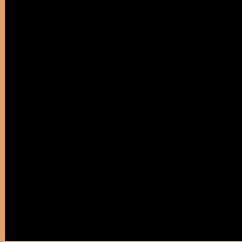
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8075, 0.4311, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 42.8075, 0.4311, 0.3980.



This preview shows how white text looks on a background with the Yxy color 42.8075, 0.4311, 0.3980.

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

42.8075, 0.4311, 0.3980

Protanopia

42.7978, 0.3856, 0.4181

Deuteranopia

42.7232, 0.4169, 0.4085



Tritanopia

42.6874, 0.3772, 0.3153

Trichromacy



Original Color

42.8075, 0.4311, 0.3980

Protanomaly

42.4659, 0.4019, 0.4107

Deuteranomaly

42.6016, 0.4222, 0.4049

Tritanomaly

42.5911, 0.3977, 0.3456

Monochromacy



Original Color

42.8075, 0.4311, 0.3980

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.2250, 0.3538, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8075, 0.4311, 0.3980 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(225, 162, 102)` looks like.

```
.text, #text, p{  
    color:rgb(225, 162, 102)  
}
```

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(225, 162, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 162, 102) }
```

Border

The CSS property to change the border of an element to Yxy 42.8075, 0.4311, 0.3980 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(225, 162, 102) }
```

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

```
.border{ border-color:rgb(225, 162, 102) }
```

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

Here you see how a box with a 4 pixel rgb(225, 162, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 162, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 162, 102);  
box-shadow:4px 4px 4px 4px rgb(225, 162,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8075, 0.4311, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 162, 102) }
```

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

```
.background{ background-color: rgb(225,  
162, 102) }
```

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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