

Converting Colors

$Yxy(46.7744, 0.4300, 0.4046)$

Have a look what the booklet for
Yxy(46.7744, 0.4300, 0.4046)
contains.

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Color

Yxy(46.7176, 0.4302, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	E7AA67
RGB	231, 170, 103
RGB Percent	91%, 67%, 40%
CMY	0.0940, 0.3334, 0.5961
CMYK	0.00, 0.26, 0.55, 0.09
HSL	31°, 73%, 65%
HSV	31°, 55%, 91%
XYZ	49.7843, 46.7176, 19.2217
YIQ	180.6010, 57.8630, -7.9050

Conversions

Conversions Part 2

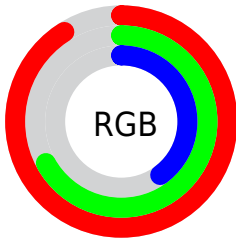
Format	Color
R _Y B	220, 231, 103
Decimal	15182439
CIE Lab	74.01, 15.08, 42.99
CIE LCh	74, 45.560, 70.675
Yxy	46.7176, 0.4302, 0.4037
Android (android.graphics.Color)	4293372519 (0xFFE7AA67)
YUV	180.6010, -38.2573, 44.1999
Hunter-Lab	68.3503, 10.4010, 31.1715

Details

The Yxy color **46.7176, 0.4302, 0.4037** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.2129, 0.2232, 0.2360**, and the grayscale version is **46.1700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4770, 0.3826, 0.4002**, and **21.9846, 0.4601, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **42.3610, 0.4569, 0.4135**, and if you desaturate by 10%, it is **51.5528, 0.4043, 0.3914**.

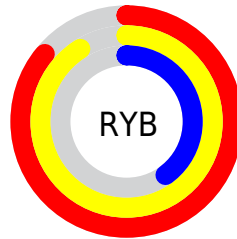
Distribution



Red (91%)

Green (67%)

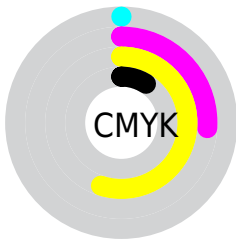
Blue (40%)



Red (86%)

Yellow (91%)

Blue (40%)

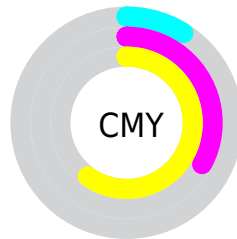


Cyan (0%)

Magenta (26%)

Yellow (55%)

Black (9%)



Cyan (9%)


Magenta (33%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7176, 0.4302, 0.4037 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 46.7176, 0.4302, 0.4037 by changing the saturation by 10% instead.

 46.7176, 0.4302,
0.4037


 46.7176, 0.4302,
0.4037


373.6862, 0.3725,
0.3699


 32.8125, 0.4437,
0.4105


 85.2919, 0.4098,
0.3925

 21.9828, 0.4602,
0.4183


 110.7299, 0.4020,
0.3880

 13.8443, 0.4806,
0.4266


 140.7810, 0.3953,
0.3840

 8.0124, 0.5059,
0.4345

 175.8295, 0.3895,
0.3805

 4.1029, 0.5500,
0.4500

216.2599, 0.3844,
0.3774

 1.7313, 0.5695,
0.4305

262.4565, 0.3800,

 0.4438, 0.6403,

0.3746

0.3597

314.8038, 0.3760,
0.3722

0.0000, 0.0000,
0.0000

46.7176, 0.4302,
0.4037

46.7176, 0.4302,
0.4037

42.3610, 0.4569,
0.4135

51.5528, 0.4043,
0.3914

38.4569, 0.4831,
0.4195

56.8776, 0.3802,
0.3776

34.9861, 0.5071,
0.4205


62.7106, 0.3582,
0.3635


31.9240, 0.5275,
0.4160


69.0677, 0.3386,
0.3494

30.6445, 0.5359,
0.4127

75.9635, 0.3212,
0.3360

 83.4121, 0.3060,
0.3233

 90.7859, 0.2981,
0.3211

 95.7337, 0.2982,
0.3290

Harmonies

Analogous

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



46.7176, 0.4379, 0.3567



46.7176, 0.4302, 0.4037



46.7176, 0.3899, 0.4382

Triad

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



46.7176, 0.4302, 0.4037



46.7176, 0.2242, 0.3408



46.7176, 0.2840, 0.2395

Complementary

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



46.7176, 0.4302, 0.4037



35.2129, 0.2232, 0.2360

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.



46.7176, 0.2334, 0.2303



46.7176, 0.4302, 0.4037



46.7176, 0.2018, 0.2809

Square

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



46.7176, 0.4302, 0.4037



46.7176, 0.2706, 0.4049



46.7176, 0.2053, 0.2432



46.7176, 0.3483, 0.2673

Rectangle

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



46.7176, 0.4302, 0.4037



46.7176, 0.3518, 0.4455



46.7176, 0.2053, 0.2432



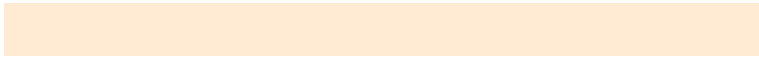
46.7176, 0.2650, 0.2341

Sweetspot

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



46.7199, 0.4302, 0.4037



85.0329, 0.3417, 0.3517



29.4038, 0.3951, 0.2605



17.8500, 0.3455, 0.3546



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.



46.7199, 0.4302, 0.4037



52.0044, 0.4620, 0.4150



74.7876, 0.3907, 0.4616



15.6098, 0.3279, 0.3413



17.4255, 0.5335, 0.4146



1.4735, 0.5124, 0.4314

Inverse Universe

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



35.2129, 0.2232, 0.2360



36.2357, 0.2060, 0.2116



18.4798, 0.2068, 0.1521



15.0148, 0.2981, 0.3164



9.7453, 0.1752, 0.1505



0.9052, 0.1827, 0.1777

Previews

White Background



This preview shows how the Yxy color 46.7176, 0.4302, 0.4037 looks on a white background.

Color Contrast Check

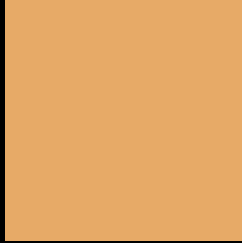
Large Text (above 18pt) WCAG AA × Fail

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 46.7176, 0.4302, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

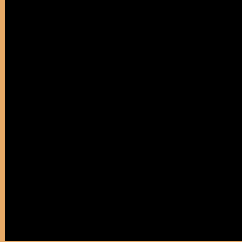
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7176, 0.4302, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 46.7176, 0.4302, 0.4037.



This preview shows how white text looks on a background with the Yxy color 46.7176, 0.4302, 0.4037.

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

46.7176, 0.4302, 0.4037

Protanopia

46.7968, 0.3904, 0.4229

Deuteranopia

46.7610, 0.4199, 0.4120



Tritanopia

46.5503, 0.3738, 0.3146

Trichromacy



Original Color

46.7176, 0.4302, 0.4037

Protanomaly

46.7303, 0.4039, 0.4158

Deuteranomaly

46.8540, 0.4233, 0.4099

Tritanomaly

46.3512, 0.3964, 0.3474

Monochromacy



Original Color

46.7176, 0.4302, 0.4037

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.8863, 0.3530, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7176, 0.4302, 0.4037 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, 170, 103)` looks like.

```
.text, #text, p{  
    color:rgb(231, 170, 103)  
}
```

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, 170, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 170, 103) }
```

Border

The CSS property to change the border of an element to Yxy 46.7176, 0.4302, 0.4037 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, 170, 103) }
```

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

```
.border{ border-color:rgb(231, 170, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 170, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 170, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 170, 103);  
box-shadow:4px 4px 4px 4px rgb(231, 170,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7176, 0.4302, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 170, 103) }
```

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

```
.background{ background-color: rgb(231,  
170, 103) }
```

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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