

Converting Colors

$Yxy(46.9890, 0.4142, 0.4046)$

Have a look what the booklet for
Yxy(46.9890, 0.4142, 0.4046)
contains.

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Color

Yxy(46.9058, 0.4143, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	DEAE6D
RGB	222, 174, 109
RGB Percent	87%, 68%, 43%
CMY	0.1293, 0.3177, 0.5725
CMYK	0.00, 0.22, 0.51, 0.13
HSL	34°, 63%, 65%
HSV	34°, 51%, 87%
XYZ	48.0303, 46.9058, 20.9952
YIQ	180.9420, 49.4730, -10.0390

Conversions

Conversions Part 2

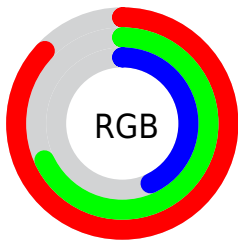
Format	Color
R _Y B	192, 222, 109
Decimal	14593645
CIE Lab	74.13, 9.77, 39.85
CIE LCh	74, 41.030, 76.229
Yxy	46.9058, 0.4143, 0.4046
Android (android.graphics.Color)	4292783725 (0xFFDEAE6D)
YUV	180.9420, -35.4674, 36.0079
Hunter-Lab	68.4878, 5.3279, 29.7659

Details

The Yxy color **46.9058, 0.4143, 0.4046** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.6661, 0.2287, 0.2367**, and the grayscale version is **46.3541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9073, 0.3765, 0.3970**, and **22.1273, 0.4402, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **42.9686, 0.4387, 0.4169**, and if you desaturate by 10%, it is **51.2247, 0.3907, 0.3903**.

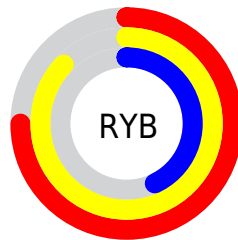
Distribution



Red (87%)

Green (68%)

Blue (43%)



Red (75%)

Yellow (87%)

Blue (43%)

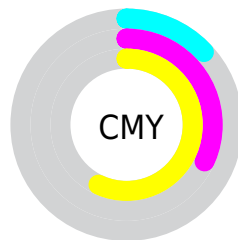


Cyan (0%)

Magenta (22%)

Yellow (51%)

Black (13%)



Cyan (13%)


Magenta (32%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9058, 0.4143, 0.4046 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 46.9058, 0.4143, 0.4046 by changing the saturation by 10% instead.

 46.9058, 0.4143,
0.4046


 46.9058, 0.4143,
0.4046


374.4384, 0.3644,
0.3693


 32.9612, 0.4260,
0.4123


 85.5730, 0.3966,
0.3926


 22.0967, 0.4405,
0.4213


 111.0644, 0.3898,
0.3878

 13.9280, 0.4586,
0.4318


 141.1735, 0.3840,
0.3836

 8.0706, 0.4811,
0.4433

 176.2847, 0.3790,
0.3800

 4.1402, 0.5212,
0.4650

216.7824, 0.3747,
0.3769

 1.7523, 0.5416,
0.4584

263.0509, 0.3708,

 0.4572, 0.5955,

0.3740

0.4045

315.4748, 0.3674,
0.3715

0.0000, 0.0000,
0.0000

46.9058, 0.4143,
0.4046

46.9058, 0.4143,
0.4046

42.9686, 0.4387,
0.4169

51.2247, 0.3907,
0.3903

39.3918, 0.4629,
0.4259

55.9318, 0.3686,
0.3751

36.1616, 0.4855,
0.4304

61.0419, 0.3484,
0.3597

33.2598, 0.5052,
0.4298

66.5669, 0.3302,
0.3446

30.8801, 0.5204,
0.4250

72.5179, 0.3141,
0.3303

■ 78.9056, 0.2998,
0.3168

■ 85.1166, 0.2925,
0.3137

■ 90.8223, 0.2928,
0.3234

■ 94.2758, 0.2929,
0.3289

Harmonies

Analogous

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



46.9058, 0.4268, 0.3634



46.9058, 0.4143, 0.4046



46.9058, 0.3742, 0.4307

Triad

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



46.9058, 0.4143, 0.4046



46.9058, 0.2270, 0.3292



46.9058, 0.2973, 0.2509

Complementary

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



46.9058, 0.4143, 0.4046



32.6661, 0.2287, 0.2367

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.



46.9058, 0.2480, 0.2391



46.9058, 0.4143, 0.4046



46.9058, 0.2106, 0.2782

Square

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



46.9058, 0.4143, 0.4046



46.9058, 0.2659, 0.3871



46.9058, 0.2179, 0.2475



46.9058, 0.3557, 0.2792

Rectangle

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



46.9058, 0.4143, 0.4046



46.9058, 0.3385, 0.4321



46.9058, 0.2179, 0.2475



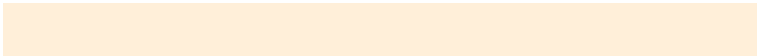
46.9058, 0.2792, 0.2449

Sweetspot

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



46.9081, 0.4143, 0.4046



87.8364, 0.3376, 0.3509



28.9457, 0.3925, 0.2719



18.4576, 0.3415, 0.3541



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.



46.9081, 0.4143, 0.4046



58.5077, 0.4401, 0.4175



67.7402, 0.3808, 0.4544



15.0023, 0.3278, 0.3425



18.5597, 0.5185, 0.4265



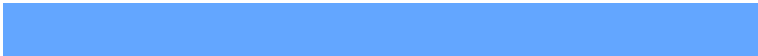
1.4629, 0.4991, 0.4419

Inverse Universe

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



32.6661, 0.2287, 0.2367



37.0190, 0.2120, 0.2132



19.9685, 0.2207, 0.1699



14.1965, 0.2981, 0.3152



8.1384, 0.1707, 0.1344



0.7388, 0.1791, 0.1646

Previews

White Background



This preview shows how the Yxy color 46.9058, 0.4143, 0.4046 looks on a white background.

Color Contrast Check

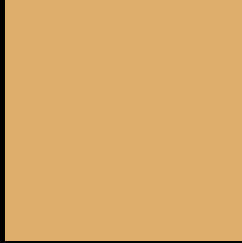
Large Text (above 18pt) WCAG AA × Fail

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 46.9058, 0.4143, 0.4046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

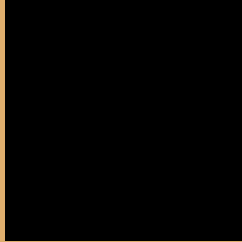
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9058, 0.4143, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 46.9058, 0.4143, 0.4046.



This preview shows how white text looks on a background with the Yxy color 46.9058, 0.4143, 0.4046.

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

46.9058, 0.4143, 0.4046

Protanopia

47.1789, 0.3851, 0.4185

Deuteranopia

46.7484, 0.4133, 0.4050



Tritanopia

46.9808, 0.3602, 0.3153

Trichromacy



Original Color

46.9058, 0.4143, 0.4046

Protanomaly

47.0556, 0.3950, 0.4137

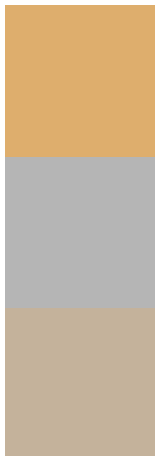
Deuteranomaly

46.7484, 0.4133, 0.4050

Tritanomaly

46.8446, 0.3811, 0.3480

Monochromacy



Original Color

46.9058, 0.4143, 0.4046

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.9431, 0.3483, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9058, 0.4143, 0.4046 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(222, 174, 109)` looks like.

```
.text, #text, p{  
    color:rgb(222, 174, 109)  
}
```

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(222, 174, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 174, 109) }
```

Border

The CSS property to change the border of an element to Yxy 46.9058, 0.4143, 0.4046 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(222, 174, 109) }
```

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

```
.border{ border-color:rgb(222, 174, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 174, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 174, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 174, 109);  
box-shadow:4px 4px 4px 4px rgb(222, 174,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9058, 0.4143, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 174, 109) }
```

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

```
.background{ background-color: rgb(222,  
174, 109) }
```

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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