

Converting Colors

$Yxy(48.0338, 0.4135, 0.4063)$

Have a look what the booklet for
Yxy(48.0338, 0.4135, 0.4063)
contains.

Yxy(47.8428, 0.4139, 0.4065)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8428, 0.4139, 0.4065)

Conversions

Conversions Part 1

Format	Color
Hex	DFB06D
RGB	223, 176, 109
RGB Percent	87%, 69%, 43%
CMY	0.1256, 0.3098, 0.5725
CMYK	0.00, 0.21, 0.51, 0.13
HSL	35°, 64%, 65%
HSV	35°, 51%, 87%
XYZ	48.7137, 47.8428, 21.1379
YIQ	182.4150, 49.5190, -10.8730

Conversions

Conversions Part 2

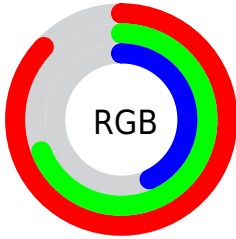
Format	Color
R _Y B	189, 223, 109
Decimal	14659693
CIE Lab	74.73, 9.08, 40.62
CIE LCh	75, 41.620, 77.403
Yxy	47.8428, 0.4139, 0.4065
Android (android.graphics.Color)	4292849773 (0xFFDFB06D)
YUV	182.4150, -36.1936, 35.5930
Hunter-Lab	69.1685, 4.6685, 30.2989

Details

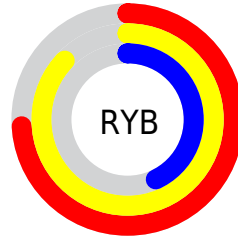
The Yxy color **47.8428, 0.4139, 0.4065** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.3500, 0.2279, 0.2340**, and the grayscale version is **47.1995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0205, 0.3758, 0.3988**, and **22.7304, 0.4393, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **43.9411, 0.4378, 0.4190**, and if you desaturate by 10%, it is **52.1149, 0.3906, 0.3920**.

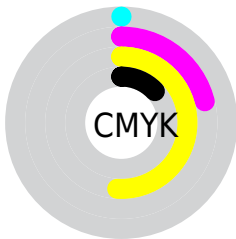
Distribution



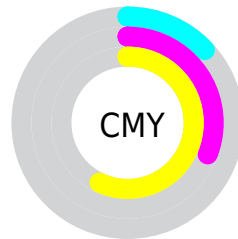
- Red (87%)
- Green (69%)
- Blue (43%)



- Red (74%)
- Yellow (87%)
- Blue (43%)



- Cyan (0%)
- Magenta (21%)
- Yellow (51%)
- Black (13%)





- Cyan (13%)
- Magenta (31%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8428, 0.4139, 0.4065 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 47.8428, 0.4139, 0.4065 by changing the saturation by 10% instead.


 47.8428, 0.4139,
0.4065


 47.8428, 0.4139,
0.4065


378.1687, 0.3644,
0.3703

 33.7024, 0.4254,
0.4143


 86.9703, 0.3964,
0.3942


 22.6651, 0.4396,
0.4236


 112.7262, 0.3897,
0.3893

 14.3464, 0.4573,
0.4343


 143.1227, 0.3840,
0.3851

 8.3620, 0.4792,
0.4462

 178.5443, 0.3790,
0.3814

 4.3274, 0.5171,
0.4677

219.3753, 0.3746,
0.3781

 1.8584, 0.5370,
0.4630

266.0001, 0.3708,

 0.5232, 0.5788,

0.3752

0.4212

318.8031, 0.3675,
0.3726

0.0000, 0.0000,
0.0000

47.8428, 0.4139,
0.4065

47.8428, 0.4139,
0.4065

43.9411, 0.4378,
0.4190

52.1149, 0.3906,
0.3920

40.3887, 0.4614,
0.4282

56.7636, 0.3687,
0.3764

37.1722, 0.4834,
0.4329

61.8033, 0.3487,
0.3607

34.2737, 0.5024,
0.4324

67.2456, 0.3306,
0.3453

31.9407, 0.5166,
0.4280

73.1013, 0.3144,
0.3306

■ 79.3808, 0.3001,
0.3168

■ 85.4264, 0.2931,
0.3140

■ 90.9852, 0.2933,
0.3234

■ 94.4253, 0.2934,
0.3289

Harmonies

Analogous

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



47.8428, 0.4278, 0.3653



47.8428, 0.4139, 0.4065



47.8428, 0.3726, 0.4320

Triad

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



47.8428, 0.4139, 0.4065



47.8428, 0.2253, 0.3269



47.8428, 0.2994, 0.2512

Complementary

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



47.8428, 0.4139, 0.4065



32.3500, 0.2279, 0.2340

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.



47.8428, 0.2492, 0.2386



47.8428, 0.4139, 0.4065



47.8428, 0.2097, 0.2761

Square

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



47.8428, 0.4139, 0.4065



47.8428, 0.2637, 0.3855



47.8428, 0.2181, 0.2462



47.8428, 0.3583, 0.2803

Rectangle

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



47.8428, 0.4139, 0.4065



47.8428, 0.3364, 0.4326



47.8428, 0.2181, 0.2462



47.8428, 0.2810, 0.2450

Sweetspot

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



47.8451, 0.4139, 0.4065



88.1280, 0.3376, 0.3514



29.0424, 0.3955, 0.2739



18.5279, 0.3414, 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.



47.8451, 0.4139, 0.4065



59.3844, 0.4387, 0.4193



68.0896, 0.3796, 0.4556



15.0330, 0.3277, 0.3428



19.0117, 0.5148, 0.4295



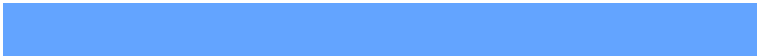
1.4929, 0.4961, 0.4443

Inverse Universe

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



32.3500, 0.2279, 0.2340



36.2907, 0.2113, 0.2105



20.1540, 0.2216, 0.1697



14.1665, 0.2981, 0.3148



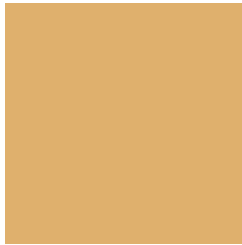
7.8341, 0.1696, 0.1305



0.7163, 0.1781, 0.1610

Previews

White Background



This preview shows how the Yxy color 47.8428, 0.4139, 0.4065 looks on a white background.

Color Contrast Check

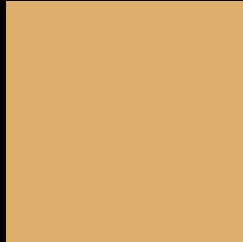
Large Text (above 18pt) WCAG AA × Fail

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 47.8428, 0.4139, 0.4065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

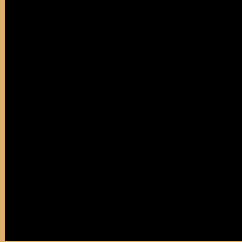
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8428, 0.4139, 0.4065

Background



This preview shows how black text looks on a background with the Yxy color 47.8428, 0.4139, 0.4065.



This preview shows how white text looks on a background with the Yxy color 47.8428, 0.4139, 0.4065.

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

47.8428, 0.4139, 0.4065

Protanopia

47.8683, 0.3864, 0.4189

Deuteranopia

48.0021, 0.4149, 0.4062



Tritanopia

47.5907, 0.3590, 0.3142

Trichromacy



Original Color

47.8428, 0.4139, 0.4065

Protanomaly

47.7508, 0.3963, 0.4142

Deuteranomaly

48.0021, 0.4149, 0.4062

Tritanomaly

47.4134, 0.3807, 0.3479

Monochromacy



Original Color

47.8428, 0.4139, 0.4065

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8794, 0.3487, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8428, 0.4139, 0.4065 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(223, 176, 109)` looks like.

```
.text, #text, p{  
    color:rgb(223, 176, 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(223, 176, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 176, 109) }
```

Border

The CSS property to change the border of an element to Yxy 47.8428, 0.4139, 0.4065 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(223, 176, 109) }
```

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

```
.border{ border-color:rgb(223, 176, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 176, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 176, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 176, 109);  
box-shadow:4px 4px 4px 4px rgb(223, 176,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8428, 0.4139, 0.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 176, 109) }
```

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

```
.background{ background-color: rgb(223,  
176, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor