

Converting Colors

$Yxy(47.7044, 0.4057, 0.4109)$

Have a look what the booklet for
Yxy(47.7044, 0.4057, 0.4109)
contains.

Yxy(47.5438, 0.4062, 0.4109)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.5438, 0.4062, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	D8B26D
RGB	216, 178, 109
RGB Percent	85%, 70%, 43%
CMY	0.1529, 0.3019, 0.5726
CMYK	0.00, 0.18, 0.50, 0.15
HSL	39°, 58%, 64%
HSV	39°, 50%, 85%
XYZ	47.0000, 47.5438, 21.1627
YIQ	181.4960, 44.7970, -13.4030

Conversions

Conversions Part 2

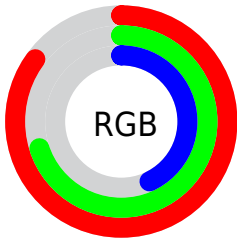
Format	Color
R _{YB}	168, 216, 109
Decimal	14201453
CIE Lab	74.54, 5.15, 40.25
CIE LCh	75, 40.573, 82.715
Yxy	47.5438, 0.4062, 0.4109
Android (android.graphics.Color)	4292391533 (0xFFD8B26D)
YUV	181.4960, -35.7405, 30.2600
Hunter-Lab	68.9520, 1.0055, 30.0692

Details

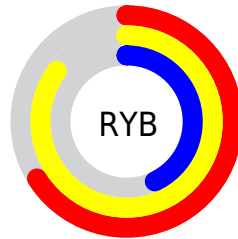
The Yxy color **47.5438, 0.4062, 0.4109** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.0711, 0.2289, 0.2285**, and the grayscale version is **46.6710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7143, 0.3747, 0.4016**, and **22.6084, 0.4297, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **44.1692, 0.4281, 0.4249**, and if you desaturate by 10%, it is **51.2079, 0.3847, 0.3949**.

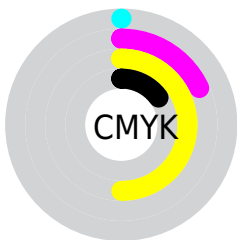
Distribution



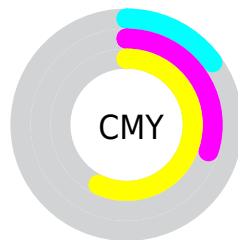
- Red (85%)
- Green (70%)
- Blue (43%)



- Red (66%)
- Yellow (85%)
- Blue (43%)



- Cyan (0%)
- Magenta (18%)
- Yellow (50%)
- Black (15%)





- Cyan (15%)
- Magenta (30%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5438, 0.4062, 0.4109 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 47.5438, 0.4062, 0.4109 by changing the saturation by 10% instead.


 47.5438, 0.4062,
0.4109


 47.5438, 0.4062,
0.4109


376.9810, 0.3606,
0.3720


 33.4658, 0.4168,
0.4196


 86.5248, 0.3901,
0.3975

 22.4835, 0.4298,
0.4300


 112.1965, 0.3839,
0.3922

 14.2126, 0.4459,
0.4424


 142.5016, 0.3786,
0.3876

 8.2687, 0.4657,
0.4568

 177.8244, 0.3741,
0.3837

 4.2673, 0.5008,
0.4829

218.5494, 0.3701,
0.3802

 1.8242, 0.5161,
0.4839

265.0608, 0.3665,

 0.5022, 0.5456,

0.3772

0.4544

317.7433, 0.3634,
0.3744

0.0000, 0.0000,
0.0000

47.5438, 0.4062,
0.4109

47.5438, 0.4062,
0.4109

44.1692, 0.4281,
0.4249

51.2079, 0.3847,
0.3949

41.0660, 0.4493,
0.4359

55.1650, 0.3642,
0.3780

38.2240, 0.4689,
0.4426

59.4271, 0.3451,
0.3609

35.6286, 0.4857,
0.4443

64.0032, 0.3277,
0.3442

33.2575, 0.4996,
0.4412

68.9019, 0.3120,
0.3283

■ 33.1539, 0.5002,
0.4411

■ 74.1312, 0.2980,
0.3134

■ 79.3603, 0.2885,
0.3047

■ 83.7655, 0.2888,
0.3128

■ 88.3613, 0.2891,
0.3208

Harmonies

Analogous

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



47.5438, 0.4252, 0.3724



47.5438, 0.4062, 0.4109



47.5438, 0.3625, 0.4312

Triad

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



47.5438, 0.4062, 0.4109



47.5438, 0.2228, 0.3172



47.5438, 0.3097, 0.2568

Complementary

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



47.5438, 0.4062, 0.4109



29.0711, 0.2289, 0.2285

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.



47.5438, 0.2581, 0.2413



47.5438, 0.4062, 0.4109



47.5438, 0.2116, 0.2706

Square

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



47.5438, 0.4062, 0.4109



47.5438, 0.2568, 0.3745



47.5438, 0.2239, 0.2451



47.5438, 0.3671, 0.2877

Rectangle

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



47.5438, 0.4062, 0.4109



47.5438, 0.3262, 0.4274



47.5438, 0.2239, 0.2451



47.5438, 0.2911, 0.2497

Sweetspot

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



47.5461, 0.4062, 0.4109



89.4153, 0.3372, 0.3535



27.6789, 0.3986, 0.2818



18.8386, 0.3410, 0.3570



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.



47.5461, 0.4062, 0.4109



64.3144, 0.4281, 0.4249



62.7378, 0.3734, 0.4540



13.7434, 0.3275, 0.3440



19.8330, 0.4986, 0.4423



1.3497, 0.4814, 0.4559

Inverse Universe

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



29.0711, 0.2289, 0.2285



34.6400, 0.2119, 0.2037



20.1218, 0.2293, 0.1770



12.7230, 0.2982, 0.3135



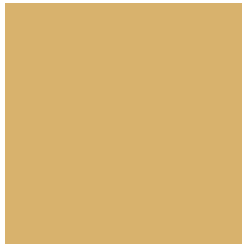
6.2364, 0.1652, 0.1146



0.5298, 0.1749, 0.1498

Previews

White Background



This preview shows how the Yxy color 47.5438, 0.4062, 0.4109 looks on a white background.

Color Contrast Check

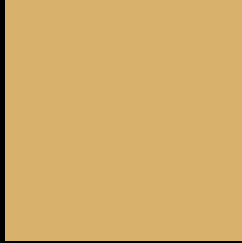
Large Text (above 18pt) WCAG AA × Fail

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 47.5438, 0.4062, 0.4109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

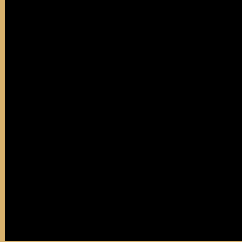
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5438, 0.4062, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 47.5438, 0.4062, 0.4109.



This preview shows how white text looks on a background with the Yxy color 47.5438, 0.4062, 0.4109.

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

47.5438, 0.4062, 0.4109

Protanopia

47.8462, 0.3872, 0.4201

Deuteranopia

47.4737, 0.4137, 0.4044



Tritanopia

47.4413, 0.3511, 0.3139

Trichromacy



Original Color

47.5438, 0.4062, 0.4109

Protanomaly

47.7035, 0.3937, 0.4174

Deuteranomaly

47.3921, 0.4103, 0.4064

Tritanomaly

47.0872, 0.3725, 0.3495

Monochromacy



Original Color

47.5438, 0.4062, 0.4109

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.4784, 0.3459, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5438, 0.4062, 0.4109 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(216, 178, 109)` looks like.

```
.text, #text, p{  
    color:rgb(216, 178, 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(216, 178, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 178, 109) }
```

Border

The CSS property to change the border of an element to Yxy 47.5438, 0.4062, 0.4109 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(216, 178, 109) }
```

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

```
.border{ border-color:rgb(216, 178, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 178, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 178, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 178, 109);  
box-shadow:4px 4px 4px 4px rgb(216, 178,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5438, 0.4062, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 178, 109) }
```

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

```
.background{ background-color: rgb(216,  
178, 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