

Converting Colors

$Y_{xy}(47.5364, 0.3962, 0.4105)$

Have a look what the booklet for
Yxy(47.5364, 0.3962, 0.4105)
contains.

Yxy(47.5364, 0.3962, 0.4105)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.5364, 0.3962, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	D2B471
RGB	210, 180, 113
RGB Percent	82%, 71%, 44%
CMY	0.1765, 0.2941, 0.5568
CMYK	0.00, 0.14, 0.46, 0.18
HSL	41°, 52%, 63%
HSV	41°, 46%, 82%
XYZ	45.8804, 47.5364, 22.3844
YIQ	181.3320, 39.3870, -14.4770

Conversions

Conversions Part 2

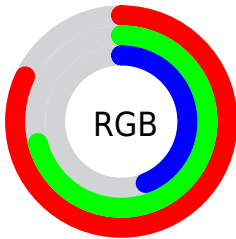
Format	Color
RYB	156, 210, 113
Decimal	13808753
CIELab	74.53, 2.00, 38.05
CIELCh	75, 38.103, 86.990
Yxy	47.5364, 0.3962, 0.4105
Android (android.graphics.Color)	4291998833 (0xFFD2B471)
YUV	181.3320, -33.6877, 25.1418
Hunter-Lab	68.9466, -1.8741, 29.0134

Details

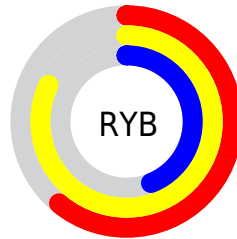
The Yxy color **47.5364, 0.3962, 0.4105** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.8124, 0.2338, 0.2300**, and the grayscale version is **46.5692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0041, 0.3715, 0.3995**, and **22.4076, 0.4187, 0.4301** is the 20% darker color. If you saturate the color by 10%, you get **44.5578, 0.4166, 0.4262**, and if you desaturate by 10%, it is **50.7518, 0.3760, 0.3931**.

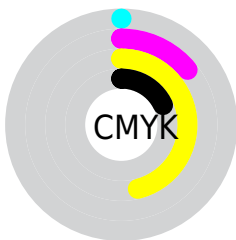
Distribution



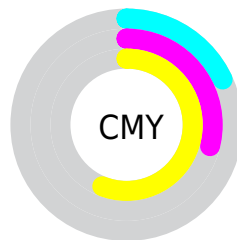
- Red (82%)
- Green (71%)
- Blue (44%)



- Red (61%)
- Yellow (82%)
- Blue (44%)



- Cyan (0%)
- Magenta (14%)
- Yellow (46%)
- Black (18%)



- Cyan (18%)
- Magenta (29%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5364, 0.3962, 0.4105 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 47.5364, 0.3962, 0.4105 by changing the saturation by 10% instead.


 47.5364, 0.3962,
0.4105


 47.5364, 0.3962,
0.4105


376.9516, 0.3555,
0.3712


 33.4599, 0.4057,
0.4195


 86.5137, 0.3818,
0.3967


 22.4790, 0.4174,
0.4306


 112.1834, 0.3763,
0.3914

 14.2093, 0.4319,
0.4441


 142.4862, 0.3716,
0.3868

 8.2664, 0.4499,
0.4605

 177.8066, 0.3675,
0.3828

 4.2659, 0.4790,
0.4871

218.5289, 0.3639,
0.3794

 1.8234, 0.4986,
0.5014

265.0376, 0.3608,

 0.5017, 0.5117,

0.3763

0.4883

317.7170, 0.3580,
0.3736

0.0000, 0.0000,
0.0000

47.5364, 0.3962,
0.4105

47.5364, 0.3962,
0.4105

44.5578, 0.4166,
0.4262

50.7518, 0.3760,
0.3931

41.8000, 0.4364,
0.4392

54.2057, 0.3568,
0.3750

39.2548, 0.4547,
0.4483

57.9085, 0.3387,
0.3570

36.9105, 0.4705,
0.4527

61.8676, 0.3222,
0.3394

34.7527, 0.4831,
0.4521

66.0900, 0.3072,
0.3228

■ 33.9686, 0.4875,
0.4511

■ 70.5824, 0.2937,
0.3071

■ 75.0240, 0.2844,
0.2977

■ 78.6122, 0.2848,
0.3047

■ 82.3355, 0.2851,
0.3116

Harmonies

Analogous

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



47.5364, 0.4177, 0.3762



47.5364, 0.3962, 0.4105



47.5364, 0.3528, 0.4253

Triad

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



47.5364, 0.3962, 0.4105



47.5364, 0.2249, 0.3110



47.5364, 0.3178, 0.2641

Complementary

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



47.5364, 0.3962, 0.4105



27.8124, 0.2338, 0.2300

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.



47.5364, 0.2674, 0.2471



47.5364, 0.3962, 0.4105



47.5364, 0.2174, 0.2695

Square

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



47.5364, 0.3962, 0.4105



47.5364, 0.2544, 0.3641



47.5364, 0.2322, 0.2481



47.5364, 0.3709, 0.2952

Rectangle

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



47.5364, 0.3962, 0.4105



47.5364, 0.3182, 0.4181



47.5364, 0.2322, 0.2481



47.5364, 0.2999, 0.2566

Sweetspot

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



47.5386, 0.3962, 0.4105



91.0673, 0.3353, 0.3534



27.5205, 0.3963, 0.2908



19.2129, 0.3390, 0.3572



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.



47.5386, 0.3962, 0.4105



69.3925, 0.4154, 0.4254



58.5196, 0.3658, 0.4476



13.1549, 0.3274, 0.3450



20.9067, 0.4863, 0.4521



1.3065, 0.4711, 0.4641

Inverse Universe

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



27.8124, 0.2338, 0.2300



35.3438, 0.2169, 0.2053



21.2760, 0.2403, 0.1903



12.0056, 0.2982, 0.3125



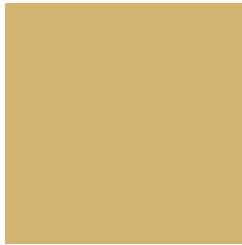
5.2986, 0.1620, 0.1031



0.4369, 0.1724, 0.1405

Previews

White Background



This preview shows how the Yxy color 47.5364, 0.3962, 0.4105 looks on a white background.

Color Contrast Check

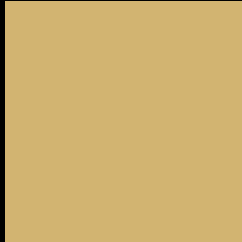
Large Text (above 18pt) WCAG AA × Fail

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 47.5364, 0.3962, 0.4105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

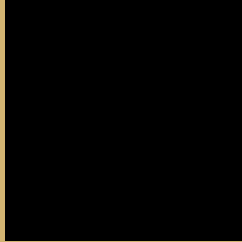
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5364, 0.3962, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 47.5364, 0.3962, 0.4105.



This preview shows how white text looks on a background with the Yxy color 47.5364, 0.3962, 0.4105.

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

47.5364, 0.3962, 0.4105

Protanopia

47.7752, 0.3839, 0.4169

Deuteranopia

47.4044, 0.4095, 0.4003



Tritanopia

47.3803, 0.3425, 0.3125

Trichromacy



Original Color

47.5364, 0.3962, 0.4105

Protanomaly

47.9192, 0.3882, 0.4145

Deuteranomaly

47.5646, 0.4046, 0.4037

Tritanomaly

47.0714, 0.3626, 0.3474

Monochromacy



Original Color

47.5364, 0.3962, 0.4105

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.6545, 0.3430, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5364, 0.3962, 0.4105 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(210, 180, 113)` looks like.

```
.text, #text, p{  
    color:rgb(210, 180, 113)  
}
```

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(210, 180, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 180, 113) }
```

Border

The CSS property to change the border of an element to Yxy 47.5364, 0.3962, 0.4105 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(210, 180, 113) }
```

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

```
.border{ border-color:rgb(210, 180, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 180, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 180, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 180, 113);  
box-shadow:4px 4px 4px 4px rgb(210, 180,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5364, 0.3962, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 180, 113) }
```

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

```
.background{ background-color: rgb(210,  
180, 113) }
```

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