

Converting Colors

$Y_{xy}(47.6712, 0.4153, 0.4233)$

Have a look what the booklet for
Yxy(47.6712, 0.4153, 0.4233)
contains.

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Color

Yxy(47.8738, 0.4149, 0.4232)

Conversions

Conversions Part 1

Format	Color
Hex	D9B362
RGB	217, 179, 98
RGB Percent	85%, 70%, 38%
CMY	0.1491, 0.2980, 0.6158
CMYK	0.00, 0.17, 0.55, 0.15
HSL	41°, 61%, 62%
HSV	41°, 55%, 85%
XYZ	46.9349, 47.8738, 18.3147
YIQ	181.1280, 48.6490, -17.1350

Conversions

Conversions Part 2

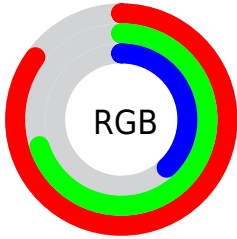
Format	Color
RYB	154, 217, 98
Decimal	14267234
CIELab	74.75, 4.06, 46.06
CIELCh	75, 46.234, 84.960
Yxy	47.8738, 0.4149, 0.4232
Android (android.graphics.Color)	4292457314 (0xFFD9B362)
YUV	181.1280, -40.9821, 31.4597
Hunter-Lab	69.1909, -0.0006, 32.7397

Details

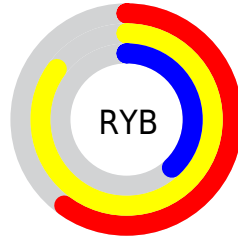
The Yxy color **47.8738, 0.4149, 0.4232** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **25.1952, 0.2184, 0.2088**, and the grayscale version is **46.4867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9110, 0.3813, 0.4131**, and **22.7631, 0.4380, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **44.8145, 0.4352, 0.4364**, and if you desaturate by 10%, it is **51.1880, 0.3942, 0.4074**.

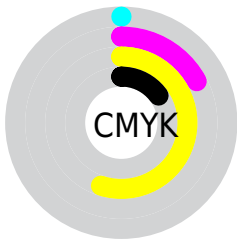
Distribution



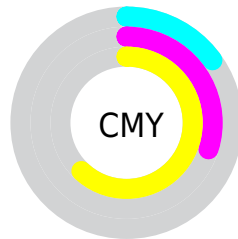
- Red (85%)
- Green (70%)
- Blue (38%)



- Red (60%)
- Yellow (85%)
- Blue (38%)



- Cyan (0%)
- Magenta (17%)
- Yellow (55%)
- Black (15%)





- Cyan (15%)
- Magenta (30%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8738, 0.4149, 0.4232 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 47.8738, 0.4149, 0.4232 by changing the saturation by 10% instead.


 47.8738, 0.4149,
0.4232


 47.8738, 0.4149,
0.4232


378.2917, 0.3658,
0.3789


 33.7270, 0.4260,
0.4328


 87.0165, 0.3978,
0.4081


 22.6839, 0.4392,
0.4441


 112.7811, 0.3912,
0.4021

 14.3603, 0.4552,
0.4573


 143.1871, 0.3854,
0.3969

 8.3717, 0.4738,
0.4717

 178.6189, 0.3805,
0.3923

 4.3337, 0.5044,
0.4956

219.4608, 0.3761,
0.3884

 1.8619, 0.5099,
0.4901

266.0974, 0.3722,

 0.5253, 0.5325,

0.3848

0.4675

318.9128, 0.3688,
0.3817

0.0000, 0.0000,
0.0000

47.8738, 0.4149,
0.4232

47.8738, 0.4149,
0.4232

44.8145, 0.4352,
0.4364

51.1880, 0.3942,
0.4074

41.9921, 0.4542,
0.4459

54.7605, 0.3738,
0.3901

39.3961, 0.4708,
0.4507

58.6029, 0.3545,
0.3721

37.0114, 0.4842,
0.4504

62.7239, 0.3365,
0.3543

35.8529, 0.4903,
0.4489

67.1316, 0.3201,
0.3370

■ 71.8339, 0.3053,
0.3207

■ 76.8381, 0.2919,
0.3054

■ 81.0384, 0.2892,
0.3076

■ 85.0662, 0.2895,
0.3149

Harmonies

Analogous

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



47.8738, 0.4398, 0.3800



47.8738, 0.4149, 0.4232



47.8738, 0.3635, 0.4459

Triad

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



47.8738, 0.4149, 0.4232



47.8738, 0.2097, 0.3100



47.8738, 0.3138, 0.2502

Complementary

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



47.8738, 0.4149, 0.4232



25.1952, 0.2184, 0.2088

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.



47.8738, 0.2547, 0.2315



47.8738, 0.4149, 0.4232



47.8738, 0.1997, 0.2594

Square

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



47.8738, 0.4149, 0.4232



47.8738, 0.2455, 0.3761



47.8738, 0.2151, 0.2335



47.8738, 0.3789, 0.2855

Rectangle

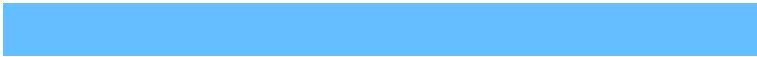
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.8738, 0.4149, 0.4232



47.8738, 0.3223, 0.4405



47.8738, 0.2151, 0.2335



47.8738, 0.2925, 0.2419

Sweetspot

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



47.8761, 0.4149, 0.4232



89.6198, 0.3388, 0.3566



25.3037, 0.4187, 0.2822



18.9134, 0.3424, 0.3603



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.



47.8761, 0.4149, 0.4232



63.8600, 0.4387, 0.4384



62.3876, 0.3753, 0.4676



14.5268, 0.3275, 0.3449



21.9057, 0.4890, 0.4499



1.5720, 0.4749, 0.4611

Inverse Universe

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



25.1952, 0.2184, 0.2088



28.1029, 0.1988, 0.1780



17.5770, 0.2219, 0.1603



13.2919, 0.2981, 0.3126



5.7955, 0.1625, 0.1051



0.5281, 0.1717, 0.1380

Previews

White Background



This preview shows how the Yxy color 47.8738, 0.4149, 0.4232 looks on a white background.

Color Contrast Check

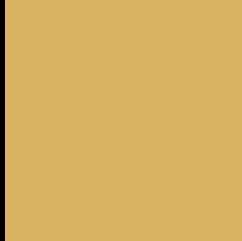
Large Text (above 18pt) WCAG AA × Fail

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 47.8738, 0.4149, 0.4232 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 47.8738, 0.4149, 0.4232

Background



This preview shows how black text looks on a background with the Yxy color 47.8738, 0.4149, 0.4232.



This preview shows how white text looks on a background with the Yxy color 47.8738, 0.4149, 0.4232.

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

47.8738, 0.4149, 0.4232

Protanopia

47.8976, 0.3972, 0.4317

Deuteranopia

47.5683, 0.4243, 0.4150



Tritanopia

47.6006, 0.3520, 0.3140

Trichromacy



Original Color

47.8738, 0.4149, 0.4232

Protanomaly

47.7666, 0.4038, 0.4287

Deuteranomaly

47.4811, 0.4208, 0.4171

Tritanomaly

47.4937, 0.3768, 0.3554

Monochromacy



Original Color

47.8738, 0.4149, 0.4232

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.3462, 0.3493, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8738, 0.4149, 0.4232 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(217, 179, 98)` looks like.

```
.text, #text, p{  
    color:rgb(217, 179, 98)  
}
```

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(217, 179, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 179, 98) }
```

Border

The CSS property to change the border of an element to Yxy 47.8738, 0.4149, 0.4232 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(217, 179, 98) }
```

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

```
.border{ border-color:rgb(217, 179, 98) }
```

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

Here you see how a box with a 4 pixel rgb(217, 179, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 179, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 179, 98);  
box-shadow:4px 4px 4px 4px rgb(217, 179,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8738, 0.4149, 0.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 179, 98) }
```

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

```
.background{ background-color: rgb(217,  
179, 98) }
```

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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