

Converting Colors

$Y_{xy}(47.3349, 0.4326, 0.4630)$

Have a look what the booklet for
Yxy(47.3349, 0.4326, 0.4630)
contains.

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Color

Yxy(47.1920, 0.4327, 0.4628)

Conversions

Conversions Part 1

Format	Color
Hex	D3B539
RGB	211, 181, 57
RGB Percent	83%, 71%, 22%
CMY	0.1726, 0.2901, 0.7764
CMYK	0.00, 0.14, 0.73, 0.17
HSL	48°, 64%, 53%
HSV	48°, 73%, 83%
XYZ	44.1227, 47.1920, 10.6559
YIQ	175.8340, 57.6840, -32.2040

Conversions

Conversions Part 2

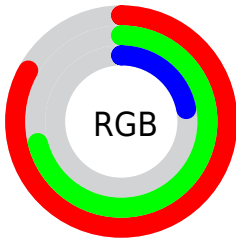
Format	Color
RYB	94, 211, 57
Decimal	13874489
CIELab	74.31, -2.13, 63.54
CIELCh	74, 63.580, 91.919
Yxy	47.1920, 0.4327, 0.4628
Android (android.graphics.Color)	4292064569 (0xFFD3B539)
YUV	175.8340, -58.5852, 30.8406
Hunter-Lab	68.6964, -5.5709, 38.8907

Details

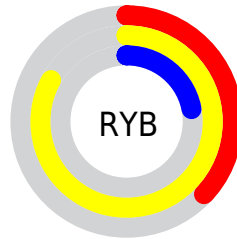
The Yxy color **47.1920, 0.4327, 0.4628** is a light color, and the websafe version is hex **CC9900**. The color can be described as light muted orange. A complement of this color would be **12.3866, 0.1825, 0.1341**, and the grayscale version is **43.6148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9982, 0.4027, 0.4489**, and **22.4728, 0.4495, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **45.3798, 0.4447, 0.4706**, and if you desaturate by 10%, it is **49.1454, 0.4182, 0.4506**.

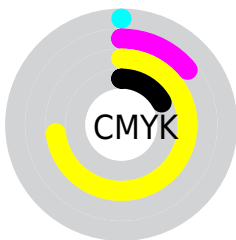
Distribution



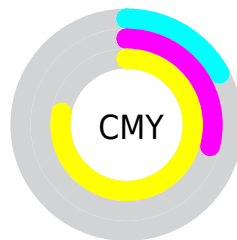
- Red (83%)
- Green (71%)
- Blue (22%)



- Red (37%)
- Yellow (83%)
- Blue (22%)



- Cyan (0%)
- Magenta (14%)
- Yellow (73%)
- Black (17%)





- Cyan (17%)
- Magenta (29%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1920, 0.4327, 0.4628 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 47.1920, 0.4327, 0.4628 by changing the saturation by 10% instead.


 47.1920, 0.4327,
0.4628

 47.1920, 0.4327,
0.4628


375.5804, 0.3784,
0.4014


 33.1875, 0.4431,
0.4749


 86.0001, 0.4151,
0.4426


 22.2701, 0.4544,
0.4883


 111.5725, 0.4078,
0.4344

 14.0555, 0.4657,
0.5022


 141.7697, 0.4014,
0.4271

 8.1593, 0.4799,
0.5201

 176.9760, 0.3957,
0.4207

 4.1970, 0.4781,
0.5219

 217.5758, 0.3906,
0.4150

 1.7844, 0.4750,
0.5250

263.9535, 0.3861,

 0.4774, 0.4570,

0.4100

0.5430

316.4936, 0.3821,
0.4055

0.0000, 0.0000,
0.0000

47.1920, 0.4327,
0.4628

47.1920, 0.4327,
0.4628

45.3798, 0.4447,
0.4706

49.1454, 0.4182,
0.4506

43.6900, 0.4538,
0.4738

51.2433, 0.4019,
0.4348

42.5632, 0.4589,
0.4739

53.4967, 0.3845,
0.4163

55.9135, 0.3669,
0.3963

58.5009, 0.3495,
0.3755

■ 61.2656, 0.3328,
0.3549

■ 64.2138, 0.3171,
0.3348

■ 67.3514, 0.3027,
0.3157

■ 70.6838, 0.2895,
0.2978

Harmonies

Analogous

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



47.1920, 0.4802, 0.4045



47.1920, 0.4327, 0.4628



47.1920, 0.3573, 0.4929

Triad

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



47.1920, 0.4327, 0.4628



47.1920, 0.1704, 0.2805



47.1920, 0.3335, 0.2343

Complementary

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



47.1920, 0.4327, 0.4628



12.3866, 0.1825, 0.1341

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.



47.1920, 0.2499, 0.2050



47.1920, 0.4327, 0.4628



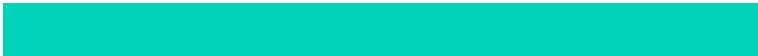
47.1920, 0.1666, 0.2228

Square

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



47.1920, 0.4327, 0.4628



47.1920, 0.2069, 0.3716



47.1920, 0.1930, 0.1998



47.1920, 0.4225, 0.2824

Rectangle

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



47.1920, 0.4327, 0.4628



47.1920, 0.3017, 0.4796



47.1920, 0.1930, 0.1998



47.1920, 0.3034, 0.2221

Sweetspot

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



47.1943, 0.4327, 0.4628



90.1285, 0.3482, 0.3740



17.4754, 0.5139, 0.2986



19.0512, 0.3529, 0.3797



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.



47.1943, 0.4327, 0.4628



68.1049, 0.4505, 0.4731



54.8517, 0.3701, 0.5139



13.3902, 0.3271, 0.3476



25.8370, 0.4582, 0.4744



1.5472, 0.4498, 0.4811

Inverse Universe

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



12.3866, 0.1825, 0.1341



12.4401, 0.1628, 0.0961



10.5258, 0.2047, 0.1144



11.7849, 0.2982, 0.3097



3.9128, 0.1555, 0.0797



0.3311, 0.1647, 0.1129

Previews

White Background



This preview shows how the Yxy color 47.1920, 0.4327, 0.4628 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 47.1920, 0.4327, 0.4628 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 47.1920, 0.4327, 0.4628

Background



This preview shows how black text looks on a background with the Yxy color 47.1920, 0.4327, 0.4628.



This preview shows how white text looks on a background with the Yxy color 47.1920, 0.4327, 0.4628.

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

47.1920, 0.4327, 0.4628

Protanopia

47.1516, 0.4250, 0.4674

Deuteranopia

47.2564, 0.4537, 0.4442



Tritanopia

46.9690, 0.3484, 0.3138

Trichromacy



Original Color

47.1920, 0.4327, 0.4628

Protanomaly

47.0268, 0.4277, 0.4654

Deuteranomaly

47.2896, 0.4453, 0.4515

Tritanomaly

46.4450, 0.3858, 0.3727

Monochromacy



Original Color

47.1920, 0.4327, 0.4628

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.3531, 0.3606, 0.3888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1920, 0.4327, 0.4628 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(211, 181, 57)` looks like.

```
.text, #text, p{  
    color:rgb(211, 181, 57)  
}
```

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(211, 181, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 181, 57) }
```

Border

The CSS property to change the border of an element to Yxy 47.1920, 0.4327, 0.4628 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(211, 181, 57) }
```

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

```
.border{ border-color:rgb(211, 181, 57) }
```

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

Here you see how a box with a 4 pixel rgb(211, 181, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 181, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 181, 57);  
box-shadow:4px 4px 4px 4px rgb(211, 181,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1920, 0.4327, 0.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 181, 57) }
```

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

```
.background{ background-color: rgb(211,  
181, 57) }
```

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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