

Converting Colors

$Y_{xy}(49.2982, 0.4243, 0.4305)$

Have a look what the booklet for
Yxy(49.2982, 0.4243, 0.4305)
contains.

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Color

Yxy(49.3155, 0.4237, 0.4309)

Conversions

Conversions Part 1

Format	Color
Hex	DEB55A
RGB	222, 181, 90
RGB Percent	87%, 71%, 35%
CMY	0.1295, 0.2902, 0.6470
CMYK	0.00, 0.18, 0.59, 0.13
HSL	41°, 67%, 61%
HSV	41°, 59%, 87%
XYZ	48.4915, 49.3155, 16.6407
YIQ	182.8850, 53.6470, -19.6090

Conversions

Conversions Part 2

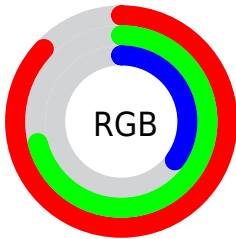
Format	Color
RYB	149, 222, 90
Decimal	14595418
CIELab	75.65, 4.50, 51.08
CIElCh	76, 51.280, 84.971
Yxy	49.3155, 0.4237, 0.4309
Android (android.graphics.Color)	4292785498 (0xFFDEB55A)
YUV	182.8850, -45.7923, 34.3039
Hunter-Lab	70.2250, 0.3633, 35.1080

Details

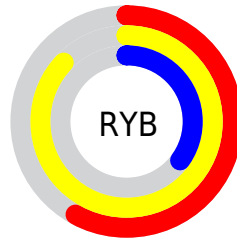
The Yxy color **49.3155, 0.4237, 0.4309** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **23.6811, 0.2100, 0.1949**, and the grayscale version is **47.5232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8115, 0.3854, 0.4224**, and **23.4708, 0.4498, 0.4515** is the 20% darker color. If you saturate the color by 10%, you get **46.2599, 0.4432, 0.4427**, and if you desaturate by 10%, it is **52.6274, 0.4033, 0.4160**.

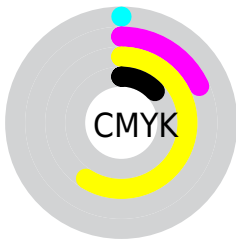
Distribution



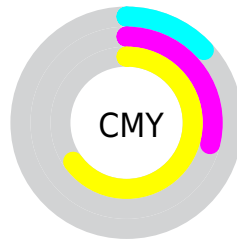
- Red (87%)
- Green (71%)
- Blue (35%)



- Red (58%)
- Yellow (87%)
- Blue (35%)



- Cyan (0%)
- Magenta (18%)
- Yellow (59%)
- Black (13%)





- Cyan (13%)
- Magenta (29%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3155, 0.4237, 0.4309 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 49.3155, 0.4237, 0.4309 by changing the saturation by 10% instead.


 49.3155, 0.4237,
0.4309

 49.3155, 0.4237,
0.4309


383.9831, 0.3712,
0.3839


 34.8698, 0.4352,
0.4407


 89.1599, 0.4057,
0.4151

 23.5626, 0.4487,
0.4520


 115.3273, 0.3986,
0.4088

 15.0095, 0.4644,
0.4647


 146.1709, 0.3924,
0.4032

 8.8260, 0.4826,
0.4781

 182.0748, 0.3871,
0.3984

 4.6279, 0.5059,
0.4941

223.4236, 0.3824,
0.3941

 2.0306, 0.5116,
0.4884

270.6017, 0.3782,

 0.6252, 0.5296,

0.3903

0.4704

323.9934, 0.3745,
0.3869

0.0000, 0.0000,
0.0000

49.3155, 0.4237,
0.4309

49.3155, 0.4237,
0.4309

46.2599, 0.4432,
0.4427

52.6274, 0.4033,
0.4160

43.4412, 0.4608,
0.4502

56.1995, 0.3829,
0.3990

40.8474, 0.4756,
0.4528

60.0444, 0.3632,
0.3811

38.4560, 0.4875,
0.4508

64.1713, 0.3446,
0.3629

38.3281, 0.4881,
0.4506

68.5890, 0.3275,
0.3451

■ 73.3057, 0.3119,
0.3281

■ 78.3294, 0.2979,
0.3121

■ 82.8280, 0.2924,
0.3096

■ 86.8779, 0.2926,
0.3168

Harmonies

Analogous

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



49.3155, 0.4518, 0.3831



49.3155, 0.4237, 0.4309



49.3155, 0.3673, 0.4576

Triad

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



49.3155, 0.4237, 0.4309



49.3155, 0.2007, 0.3074



49.3155, 0.3135, 0.2436

Complementary

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



49.3155, 0.4237, 0.4309



23.6811, 0.2100, 0.1949

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.



49.3155, 0.2492, 0.2234



49.3155, 0.4237, 0.4309



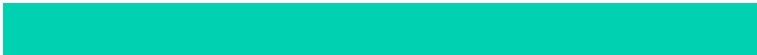
49.3155, 0.1902, 0.2524

Square

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



49.3155, 0.4237, 0.4309



49.3155, 0.2389, 0.3808



49.3155, 0.2068, 0.2252



49.3155, 0.3852, 0.2814

Rectangle

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



49.3155, 0.4237, 0.4309



49.3155, 0.3222, 0.4525



49.3155, 0.2068, 0.2252



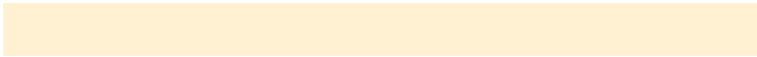
49.3155, 0.2903, 0.2347

Sweetspot

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



49.3179, 0.4237, 0.4309



88.6293, 0.3423, 0.3605



24.5048, 0.4363, 0.2819



18.6037, 0.3475, 0.3658



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.



49.3179, 0.4237, 0.4309



62.4994, 0.4471, 0.4446



64.9522, 0.3774, 0.4788



15.2738, 0.3275, 0.3451



22.9754, 0.4869, 0.4516



1.7497, 0.4739, 0.4619

Inverse Universe

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



23.6811, 0.2100, 0.1949



24.6844, 0.1907, 0.1630



16.1816, 0.2146, 0.1458



13.9342, 0.2981, 0.3124



5.8306, 0.1619, 0.1028



0.5601, 0.1705, 0.1337

Previews

White Background



This preview shows how the Yxy color 49.3155, 0.4237, 0.4309 looks on a white background.

Color Contrast Check

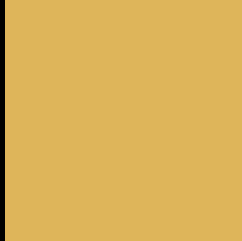
Large Text (above 18pt) WCAG AA × Fail

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 49.3155, 0.4237, 0.4309 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 49.3155, 0.4237, 0.4309

Background



This preview shows how black text looks on a background with the Yxy color 49.3155, 0.4237, 0.4309.



This preview shows how white text looks on a background with the Yxy color 49.3155, 0.4237, 0.4309.

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

49.3155, 0.4237, 0.4309

Protanopia

49.4352, 0.4036, 0.4419

Deuteranopia

49.4191, 0.4325, 0.4237



Tritanopia

49.4095, 0.3553, 0.3143

Trichromacy



Original Color

49.3155, 0.4237, 0.4309

Protanomaly

49.4503, 0.4111, 0.4382

Deuteranomaly

49.3264, 0.4290, 0.4259

Tritanomaly

49.1928, 0.3825, 0.3583

Monochromacy



Original Color

49.3155, 0.4237, 0.4309

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.4961, 0.3532, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3155, 0.4237, 0.4309 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(222, 181, 90)` looks like.

```
.text, #text, p{  
    color:rgb(222, 181, 90)  
}
```

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(222, 181, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 181, 90) }
```

Border

The CSS property to change the border of an element to Yxy 49.3155, 0.4237, 0.4309 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(222, 181, 90) }
```

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

```
.border{ border-color:rgb(222, 181, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 181, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 181, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 181, 90);  
box-shadow:4px 4px 4px 4px rgb(222, 181,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3155, 0.4237, 0.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 181, 90) }
```

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

```
.background{ background-color: rgb(222,  
181, 90) }
```

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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