

Converting Colors

$Y_{xy}(49.2606, 0.4034, 0.4338)$

Have a look what the booklet for
Yxy(49.2606, 0.4034, 0.4338)
contains.

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Color

Yxy(49.1163, 0.4043, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	D1B961
RGB	209, 185, 97
RGB Percent	82%, 73%, 38%
CMY	0.1803, 0.2745, 0.6196
CMYK	0.00, 0.11, 0.54, 0.18
HSL	47°, 55%, 60%
HSV	47°, 54%, 82%
XYZ	45.8079, 49.1163, 18.3775
YIQ	182.1440, 42.5520, -22.2800

Conversions

Conversions Part 2

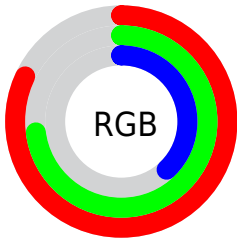
Format	Color
RYB	128, 209, 97
Decimal	13744481
CIELab	75.52, -2.48, 47.27
CIELCh	76, 47.336, 93.006
Yxy	49.1163, 0.4043, 0.4335
Android (android.graphics.Color)	4291934561 (0xFFD1B961)
YUV	182.1440, -41.9760, 23.5527
Hunter-Lab	70.0830, -5.9735, 33.5108

Details

The Yxy color **49.1163, 0.4043, 0.4335** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.8332, 0.2171, 0.1942**, and the grayscale version is **47.0808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3726, 0.3797, 0.4193**, and **23.3752, 0.4252, 0.4581** is the 20% darker color. If you saturate the color by 10%, you get **46.9316, 0.4211, 0.4488**, and if you desaturate by 10%, it is **51.4676, 0.3865, 0.4155**.

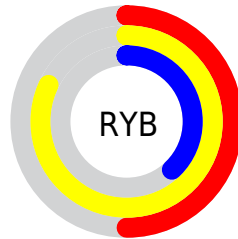
Distribution



Red (82%)

Green (73%)

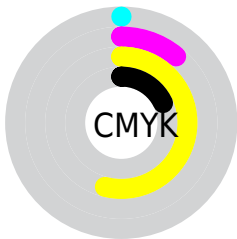
Blue (38%)



Red (50%)

Yellow (82%)

Blue (38%)

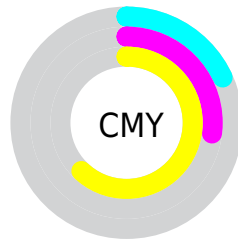


Cyan (0%)

Magenta (11%)

Yellow (54%)

Black (18%)



Cyan (18%)


Magenta (27%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1163, 0.4043, 0.4335 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 49.1163, 0.4043, 0.4335 by changing the saturation by 10% instead.


 49.1163, 0.4043,
0.4335


 49.1163, 0.4043,
0.4335


383.2000, 0.3610,
0.3835

 34.7117, 0.4138,
0.4447


 88.8642, 0.3895,
0.4162

 23.4409, 0.4250,
0.4581


 114.9763, 0.3836,
0.4094

 14.9194, 0.4380,
0.4740


 145.7597, 0.3785,
0.4035

 8.7628, 0.4526,
0.4925

 181.5987, 0.3741,
0.3985

 4.5868, 0.4768,
0.5232

222.8779, 0.3702,
0.3940

 2.0069, 0.4735,
0.5265

269.9816, 0.3668,

 0.6115, 0.4599,

0.3901

0.5401

323.2942, 0.3638,
0.3866

0.0000, 0.0000,
0.0000

49.1163, 0.4043,
0.4335

49.1163, 0.4043,
0.4335

46.9316, 0.4211,
0.4488

51.4676, 0.3865,
0.4155

44.8977, 0.4362,
0.4605

53.9864, 0.3684,
0.3959

43.0068, 0.4488,
0.4678

56.6822, 0.3507,
0.3757

41.2470, 0.4585,
0.4704

59.5617, 0.3339,
0.3554

40.1747, 0.4635,
0.4701

62.6311, 0.3181,
0.3358

■ 65.8964, 0.3035,
0.3172

■ 69.3630, 0.2903,
0.2997

■ 72.4270, 0.2836,
0.2926

■ 74.8254, 0.2838,
0.2975

Harmonies

Analogous

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



49.1163, 0.4383, 0.3933



49.1163, 0.4043, 0.4335



49.1163, 0.3476, 0.4479

Triad

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



49.1163, 0.4043, 0.4335



49.1163, 0.2030, 0.2936



49.1163, 0.3317, 0.2573

Complementary

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



49.1163, 0.4043, 0.4335



20.8332, 0.2171, 0.1942

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.



49.1163, 0.2683, 0.2334



49.1163, 0.4043, 0.4335



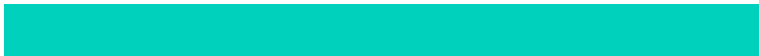
49.1163, 0.1999, 0.2488

Square

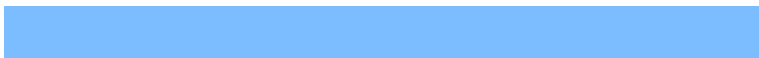
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.1163, 0.4043, 0.4335



49.1163, 0.2324, 0.3585



49.1163, 0.2222, 0.2294



49.1163, 0.3957, 0.2965

Rectangle

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



49.1163, 0.4043, 0.4335



49.1163, 0.3052, 0.4344



49.1163, 0.2222, 0.2294



49.1163, 0.3094, 0.2474

Sweetspot

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



49.1186, 0.4043, 0.4335



92.1863, 0.3381, 0.3607



23.4987, 0.4339, 0.2995



19.5287, 0.3416, 0.3649



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.



49.1186, 0.4043, 0.4335



73.2063, 0.4230, 0.4504



55.8604, 0.3632, 0.4700



13.3491, 0.3271, 0.3471



24.9114, 0.4628, 0.4708



1.5028, 0.4533, 0.4783

Inverse Universe

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



20.8332, 0.2171, 0.1942



24.6167, 0.1969, 0.1615



17.8041, 0.2360, 0.1694



11.8230, 0.2982, 0.3102



4.1069, 0.1564, 0.0831



0.3487, 0.1661, 0.1178

Previews

White Background



This preview shows how the Yxy color 49.1163, 0.4043, 0.4335 looks on a white background.

Color Contrast Check

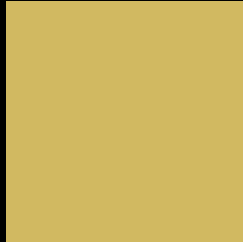
Large Text (above 18pt) WCAG AA × Fail

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 49.1163, 0.4043, 0.4335 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 49.1163, 0.4043, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 49.1163, 0.4043, 0.4335.



This preview shows how white text looks on a background with the Yxy color 49.1163, 0.4043, 0.4335.

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

49.1163, 0.4043, 0.4335

Protanopia

48.9600, 0.4000, 0.4362

Deuteranopia

48.8391, 0.4256, 0.4160



Tritanopia

49.1962, 0.3401, 0.3138

Trichromacy



Original Color

49.1163, 0.4043, 0.4335

Protanomaly

49.1027, 0.4009, 0.4358

Deuteranomaly

48.8965, 0.4179, 0.4227

Tritanomaly

49.0538, 0.3655, 0.3582

Monochromacy



Original Color

49.1163, 0.4043, 0.4335

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.3078, 0.3467, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1163, 0.4043, 0.4335 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(209, 185, 97)` looks like.

```
.text, #text, p{  
    color:rgb(209, 185, 97)  
}
```

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(209, 185, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 185, 97) }
```

Border

The CSS property to change the border of an element to Yxy 49.1163, 0.4043, 0.4335 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(209, 185, 97) }
```

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

```
.border{ border-color:rgb(209, 185, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 185, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 185, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 185, 97);  
box-shadow:4px 4px 4px 4px rgb(209, 185,  
97) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 49.1163, 0.4043, 0.4335$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 185, 97) }
```

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

```
.background{ background-color: rgb(209,  
185, 97) }
```

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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