

Converting Colors

$Yxy(50.0389, 0.4199, 0.4579)$

Have a look what the booklet for
Yxy(50.0389, 0.4199, 0.4579)
contains.

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Color

Yxy(49.8574, 0.4202, 0.4574)

Conversions

Conversions Part 1

Format	Color
Hex	D3BB48
RGB	211, 187, 72
RGB Percent	83%, 73%, 28%
CMY	0.1726, 0.2666, 0.7176
CMYK	0.00, 0.11, 0.66, 0.17
HSL	50°, 61%, 55%
HSV	50°, 66%, 83%
XYZ	45.8025, 49.8574, 13.3418
YIQ	181.0660, 51.2190, -30.6770

Conversions

Conversions Part 2

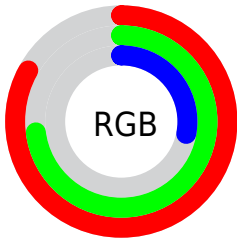
Format	Color
RYB	101, 211, 72
Decimal	13876040
CIELab	75.98, -4.47, 59.25
CIELCh	76, 59.420, 94.316
Yxy	49.8574, 0.4202, 0.4574
Android (android.graphics.Color)	4292066120 (0xFFD3BB48)
YUV	181.0660, -53.7695, 26.2521
Hunter-Lab	70.6098, -7.7793, 38.2239

Details

The Yxy color **49.8574, 0.4202, 0.4574** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **14.4459, 0.1929, 0.1497**, and the grayscale version is **46.5231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8675, 0.3924, 0.4424**, and **23.8422, 0.4407, 0.4839** is the 20% darker color. If you saturate the color by 10%, you get **48.1045, 0.4333, 0.4687**, and if you desaturate by 10%, it is **51.7487, 0.4050, 0.4422**.

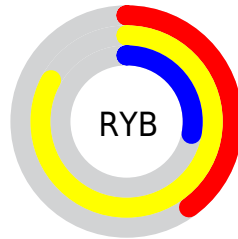
Distribution



Red (83%)

Green (73%)

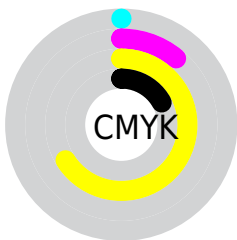
Blue (28%)



Red (40%)

Yellow (83%)

Blue (28%)

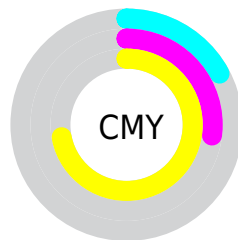


Cyan (0%)

Magenta (11%)

Yellow (66%)

Black (17%)



Cyan (17%)

Magenta (27%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8574, 0.4202, 0.4574 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 49.8574, 0.4202, 0.4574 by changing the saturation by 10% instead.


 49.8574, 0.4202,
0.4574

 49.8574, 0.4202,
0.4574


386.1080, 0.3714,
0.3975

 35.3001, 0.4299,
0.4699


 89.9636, 0.4042,
0.4373

 23.8941, 0.4406,
0.4842


 116.2812, 0.3976,
0.4292

 15.2551, 0.4518,
0.5000


 147.2878, 0.3919,
0.4222

 8.9986, 0.4669,
0.5218

 183.3676, 0.3868,
0.4160

 4.7403, 0.4686,
0.5314

 224.9052, 0.3823,
0.4105

 2.0957, 0.4626,
0.5374

272.2849, 0.3783,

 0.6622, 0.4400,

0.4057

0.5600

325.8910, 0.3747,
0.4014

0.0000, 0.0000,
0.0000

49.8574, 0.4202,
0.4574

49.8574, 0.4202,
0.4574

48.1045, 0.4333,
0.4687

51.7487, 0.4050,
0.4422

46.4724, 0.4437,
0.4755

53.7802, 0.3885,
0.4241

44.9507, 0.4512,
0.4777

55.9624, 0.3713,
0.4040

44.3447, 0.4538,
0.4779

58.3024, 0.3541,
0.3829

60.8071, 0.3374,
0.3616

■ 63.4825, 0.3215,
0.3408

■ 66.3345, 0.3067,
0.3209

■ 69.3686, 0.2931,
0.3022

■ 72.1373, 0.2847,
0.2916

Harmonies

Analogous

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



49.8574, 0.4658, 0.4058



49.8574, 0.4202, 0.4574



49.8574, 0.3493, 0.4790

Triad

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



49.8574, 0.4202, 0.4574



49.8574, 0.1789, 0.2798



49.8574, 0.3390, 0.2439

Complementary

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



49.8574, 0.4202, 0.4574



14.4459, 0.1929, 0.1497

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.



49.8574, 0.2603, 0.2147



49.8574, 0.4202, 0.4574



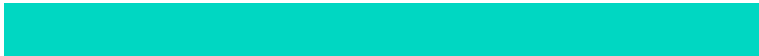
49.8574, 0.1773, 0.2281

Square

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



49.8574, 0.4202, 0.4574



49.8574, 0.2113, 0.3612



49.8574, 0.2046, 0.2081



49.8574, 0.4193, 0.2905

Rectangle

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



49.8574, 0.4202, 0.4574



49.8574, 0.2976, 0.4622



49.8574, 0.2046, 0.2081



49.8574, 0.3111, 0.2319

Sweetspot

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



49.8598, 0.4202, 0.4574



91.6523, 0.3446, 0.3709



19.3563, 0.4883, 0.3014



19.3847, 0.3493, 0.3769



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.



49.8598, 0.4202, 0.4574



72.8325, 0.4377, 0.4720



55.2658, 0.3661, 0.5009



13.4359, 0.3270, 0.3481



26.8975, 0.4532, 0.4784



1.5977, 0.4459, 0.4841

Inverse Universe

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



14.4459, 0.1929, 0.1497



15.0230, 0.1716, 0.1118



13.0536, 0.2186, 0.1341



11.7428, 0.2982, 0.3092



3.7192, 0.1545, 0.0763



0.3115, 0.1632, 0.1074

Previews

White Background



This preview shows how the Yxy color 49.8574, 0.4202, 0.4574 looks on a white background.

Color Contrast Check

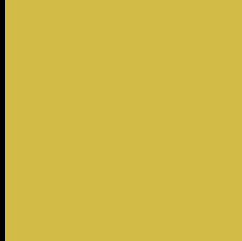
Large Text (above 18pt) WCAG AA × Fail

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 49.8574, 0.4202, 0.4574 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 49.8574, 0.4202, 0.4574

Background



This preview shows how black text looks on a background with the Yxy color 49.8574, 0.4202, 0.4574.



This preview shows how white text looks on a background with the Yxy color 49.8574, 0.4202, 0.4574.

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

49.8574, 0.4202, 0.4574

Protanopia

49.9896, 0.4176, 0.4594

Deuteranopia

49.6724, 0.4454, 0.4356



Tritanopia

49.7062, 0.3419, 0.3128

Trichromacy



Original Color

49.8574, 0.4202, 0.4574

Protanomaly

50.1360, 0.4185, 0.4588

Deuteranomaly

49.5497, 0.4365, 0.4431

Tritanomaly

49.0672, 0.3753, 0.3689

Monochromacy



Original Color

49.8574, 0.4202, 0.4574

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.9965, 0.3551, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8574, 0.4202, 0.4574 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, 187, 72)` looks like.

```
.text, #text, p{  
    color:rgb(211, 187, 72)  
}
```

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, 187, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 187, 72) }
```

Border

The CSS property to change the border of an element to Yxy 49.8574, 0.4202, 0.4574 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, 187, 72) }
```

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

```
.border{ border-color:rgb(211, 187, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 187, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 187, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 187, 72);  
box-shadow:4px 4px 4px 4px rgb(211, 187,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8574, 0.4202, 0.4574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 187, 72) }
```

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

```
.background{ background-color: rgb(211,  
187, 72) }
```

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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