

Converting Colors

$Yxy(50.9074, 0.4242, 0.4401)$

Have a look what the booklet for
Yxy(50.9074, 0.4242, 0.4401)
contains.

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Color

Yxy(50.8676, 0.4247, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	DEB954
RGB	222, 185, 84
RGB Percent	87%, 73%, 33%
CMY	0.1293, 0.2745, 0.6707
CMYK	0.00, 0.17, 0.62, 0.13
HSL	44°, 68%, 60%
HSV	44°, 62%, 87%
XYZ	49.0765, 50.8676, 15.6116
YIQ	184.5490, 54.4730, -23.5670

Conversions

Conversions Part 2

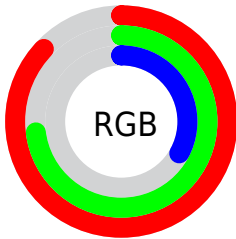
Format	Color
RYB	135, 222, 84
Decimal	14596436
CIELab	76.60, 1.99, 54.97
CIELCh	77, 55.010, 87.922
Yxy	50.8676, 0.4247, 0.4402
Android (android.graphics.Color)	4292786516 (0xFFDEB954)
YUV	184.5490, -49.5707, 32.8445
Hunter-Lab	71.3215, -1.9865, 36.9471

Details

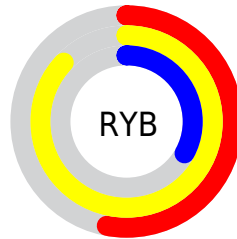
The Yxy color **50.8676, 0.4247, 0.4402** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **20.8288, 0.2034, 0.1789**, and the grayscale version is **48.5102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9767, 0.3873, 0.4312**, and **24.4888, 0.4491, 0.4622** is the 20% darker color. If you saturate the color by 10%, you get **48.1367, 0.4421, 0.4516**, and if you desaturate by 10%, it is **53.8179, 0.4059, 0.4253**.

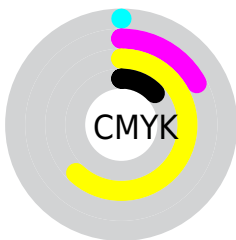
Distribution



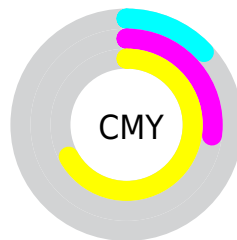
- Red (87%)
- Green (73%)
- Blue (33%)



- Red (53%)
- Yellow (87%)
- Blue (33%)



- Cyan (0%)
- Magenta (17%)
- Yellow (62%)
- Black (13%)



- Cyan (13%)
- Magenta (27%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8676, 0.4247, 0.4402 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 50.8676, 0.4247, 0.4402 by changing the saturation by 10% instead.


 50.8676, 0.4247,
0.4402

 50.8676, 0.4247,
0.4402


390.0492, 0.3727,
0.3891

 36.1032, 0.4357,
0.4507


 91.4590, 0.4072,
0.4231


 24.5139, 0.4483,
0.4628


 118.0549, 0.4001,
0.4163


 15.7153, 0.4626,
0.4761


 149.3634, 0.3940,
0.4102

 9.3229, 0.4791,
0.4910

 185.7689, 0.3887,
0.4050

 4.9524, 0.4954,
0.5046

 227.6559, 0.3839,
0.4003

 2.2194, 0.4979,
0.5021

275.4086, 0.3798,

 0.7305, 0.5042,

0.3962

0.4958

329.4116, 0.3760,
0.3924

0.0000, 0.0000,
0.0000

50.8676, 0.4247,
0.4402

50.8676, 0.4247,
0.4402

48.1367, 0.4421,
0.4516

53.8179, 0.4059,
0.4253

45.6058, 0.4572,
0.4586

56.9909, 0.3865,
0.4080

43.2630, 0.4693,
0.4607

60.3987, 0.3674,
0.3893

41.5445, 0.4770,
0.4594

64.0502, 0.3491,
0.3701

67.9536, 0.3318,
0.3511

■ 72.1165, 0.3160,
0.3329

■ 76.5464, 0.3015,
0.3156

■ 80.8190, 0.2923,
0.3059

■ 84.2397, 0.2924,
0.3121

Harmonies

Analogous

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



50.8676, 0.4587, 0.3904



50.8676, 0.4247, 0.4402



50.8676, 0.3628, 0.4663

Triad

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



50.8676, 0.4247, 0.4402



50.8676, 0.1922, 0.2986



50.8676, 0.3208, 0.2423

Complementary

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



50.8676, 0.4247, 0.4402



20.8288, 0.2034, 0.1789

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.



50.8676, 0.2513, 0.2191



50.8676, 0.4247, 0.4402



50.8676, 0.1843, 0.2436

Square

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



50.8676, 0.4247, 0.4402



50.8676, 0.2293, 0.3762



50.8676, 0.2044, 0.2183



50.8676, 0.3965, 0.2833

Rectangle

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



50.8676, 0.4247, 0.4402



50.8676, 0.3150, 0.4581



50.8676, 0.2044, 0.2183



50.8676, 0.2958, 0.2324

Sweetspot

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



50.8700, 0.4247, 0.4402



89.2523, 0.3437, 0.3643



23.2998, 0.4525, 0.2859



18.7814, 0.3488, 0.3698



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.



50.8700, 0.4247, 0.4402



64.6789, 0.4475, 0.4545



64.1122, 0.3756, 0.4866



15.3752, 0.3274, 0.3461



24.8643, 0.4760, 0.4603



1.8686, 0.4653, 0.4687

Inverse Universe

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



20.8288, 0.2034, 0.1789



20.5705, 0.1825, 0.1428



15.1793, 0.2130, 0.1389



13.8382, 0.2981, 0.3113



5.1801, 0.1592, 0.0931



0.5048, 0.1676, 0.1232

Previews

White Background



This preview shows how the Yxy color 50.8676, 0.4247, 0.4402 looks on a white background.

Color Contrast Check

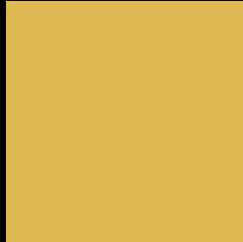
Large Text (above 18pt) WCAG AA × Fail

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 50.8676, 0.4247, 0.4402 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 50.8676, 0.4247, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 50.8676, 0.4247, 0.4402.



This preview shows how white text looks on a background with the Yxy color 50.8676, 0.4247, 0.4402.

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

50.8676, 0.4247, 0.4402

Protanopia

50.7527, 0.4103, 0.4487

Deuteranopia

50.7908, 0.4385, 0.4292



Tritanopia

50.8489, 0.3528, 0.3144

Trichromacy



Original Color

50.8676, 0.4247, 0.4402

Protanomaly

50.9185, 0.4147, 0.4459

Deuteranomaly

50.9348, 0.4334, 0.4328

Tritanomaly

50.5368, 0.3823, 0.3616

Monochromacy



Original Color

50.8676, 0.4247, 0.4402

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.8418, 0.3541, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8676, 0.4247, 0.4402 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, 185, 84)` looks like.

```
.text, #text, p{  
    color:rgb(222, 185, 84)  
}
```

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, 185, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 185, 84) }
```

Border

The CSS property to change the border of an element to Yxy 50.8676, 0.4247, 0.4402 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, 185, 84) }
```

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

```
.border{ border-color:rgb(222, 185, 84) }
```

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

Here you see how a box with a 4 pixel rgb(222, 185, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 185, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 185, 84);  
box-shadow:4px 4px 4px 4px rgb(222, 185,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8676, 0.4247, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 185, 84) }
```

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

```
.background{ background-color: rgb(222,  
185, 84) }
```

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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