

Converting Colors

Yxy(64.9731, 0.3850, 0.4340)

Have a look what the booklet for
Yxy(64.9731, 0.3850, 0.4340)
contains.

Yxy(64.9546, 0.3848, 0.4347)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.9546, 0.3848, 0.4347)

Conversions

Conversions Part 1

Format	Color
Hex	DED677
RGB	222, 214, 119
RGB Percent	87%, 84%, 47%
CMY	0.1295, 0.1607, 0.5332
CMYK	0.00, 0.04, 0.46, 0.13
HSL	55°, 61%, 67%
HSV	55°, 46%, 87%
XYZ	57.4983, 64.9546, 26.9710
YIQ	205.5620, 35.2630, -27.8490

Conversions

Conversions Part 2

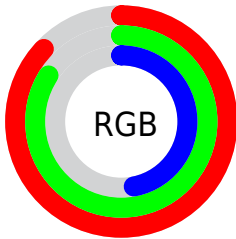
Format	Color
R _{YB}	128, 222, 119
Decimal	14603895
CIE Lab	84.46, -10.15, 47.60
CIE LCh	84, 48.671, 102.033
Yxy	64.9546, 0.3848, 0.4347
Android (android.graphics.Color)	4292793975 (0xFFDED677)
YUV	205.5620, -42.6751, 14.4161
Hunter-Lab	80.5944, -13.6933, 36.5746

Details

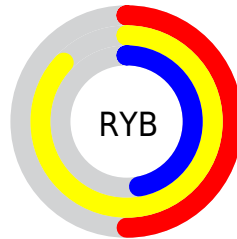
The Yxy color **64.9546, 0.3848, 0.4347** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.3794, 0.2270, 0.1949**, and the grayscale version is **61.6901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **33.2009, 0.4000, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **63.6191, 0.3989, 0.4541**, and if you desaturate by 10%, it is **66.4298, 0.3695, 0.4130**.

Distribution



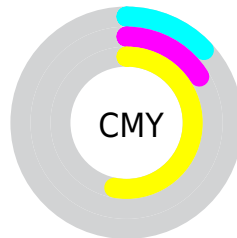
- Red (87%)
- Green (84%)
- Blue (47%)



- Red (50%)
- Yellow (87%)
- Blue (47%)



- Cyan (0%)
- Magenta (4%)
- Yellow (46%)
- Black (13%)





- Cyan (13%)
- Magenta (16%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9546, 0.3848, 0.4347 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 64.9546, 0.3848, 0.4347 by changing the saturation by 10% instead.


 64.9546, 0.3848,
0.4347

 64.9546, 0.3848,
0.4347


442.6288, 0.3527,
0.3852

 47.4243, 0.3915,
0.4458


 111.9846, 0.3741,
0.4176

 33.3712, 0.3992,
0.4591


 142.2530, 0.3698,
0.4109

 22.4109, 0.4081,
0.4755


 177.5363, 0.3661,
0.4052

 14.1592, 0.4180,
0.4954

218.2188, 0.3627,
0.4001

 8.2315, 0.4281,
0.5198

264.6849, 0.3598,
0.3957

 4.2434, 0.4426,
0.5574

317.3190, 0.3572,

 1.8106, 0.4275,

0.3918

0.5725

376.5055, 0.3548,
0.3883

0.4938, 0.3098,
0.6902

0.0000, 0.0000,
0.0000

64.9546, 0.3848,
0.4347

64.9546, 0.3848,
0.4347

63.6191, 0.3989,
0.4541

66.4298, 0.3695,
0.4130

62.4055, 0.4111,
0.4702


68.0438, 0.3536,
0.3900

61.3069, 0.4209,
0.4822


69.8068, 0.3377,
0.3665


60.3116, 0.4280,
0.4899

71.7257, 0.3222,
0.3434


 59.4050, 0.4325,
0.4932


 73.8067, 0.3075,
0.3210

 59.0890, 0.4337,
0.4938

 76.0559, 0.2937,
0.2999

 77.1638, 0.2921,
0.2990

 78.1038, 0.2921,
0.3008

 79.0532, 0.2922,
0.3026

Harmonies

Analogous

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



64.9546, 0.4243, 0.4030



64.9546, 0.3848, 0.4347



64.9546, 0.3281, 0.4365

Triad

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



64.9546, 0.3848, 0.4347



64.9546, 0.2057, 0.2811



64.9546, 0.3497, 0.2713

Complementary

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



64.9546, 0.3848, 0.4347



24.3794, 0.2270, 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.



64.9546, 0.2879, 0.2436



64.9546, 0.3848, 0.4347



64.9546, 0.2100, 0.2456

Square

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



64.9546, 0.3848, 0.4347



64.9546, 0.2263, 0.3376



64.9546, 0.2383, 0.2339



64.9546, 0.4051, 0.3117

Rectangle

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



64.9546, 0.3848, 0.4347



64.9546, 0.2885, 0.4154



64.9546, 0.2383, 0.2339



64.9546, 0.3287, 0.2603

Sweetspot

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



64.9576, 0.3848, 0.4347



96.1588, 0.3341, 0.3612



30.2781, 0.4279, 0.3192



20.4635, 0.3376, 0.3663



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.



64.9576, 0.3848, 0.4347



87.0995, 0.3989, 0.4542



63.1605, 0.3474, 0.4565



15.8383, 0.3269, 0.3504



35.1787, 0.4335, 0.4940



2.4931, 0.4311, 0.4959

Inverse Universe

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



24.3794, 0.2270, 0.1949



24.9084, 0.2063, 0.1612



26.1500, 0.2604, 0.1964



13.4129, 0.2981, 0.3067



3.4368, 0.1515, 0.0652



0.2986, 0.1554, 0.0795

Previews

White Background



This preview shows how the Yxy color 64.9546, 0.3848, 0.4347 looks on a white background.

Color Contrast Check

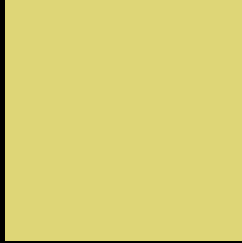
Large Text (above 18pt) WCAG AA × Fail

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 64.9546, 0.3848, 0.4347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

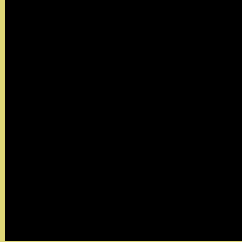
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.9546, 0.3848, 0.4347

Background



This preview shows how black text looks on a background with the Yxy color 64.9546, 0.3848, 0.4347.



This preview shows how white text looks on a background with the Yxy color 64.9546, 0.3848, 0.4347.

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

64.9546, 0.3848, 0.4347

Protanopia

65.0523, 0.3952, 0.4296

Deuteranopia

64.5396, 0.4140, 0.4055



Tritanopia

64.9296, 0.3242, 0.3129

Trichromacy



Original Color

64.9546, 0.3848, 0.4347

Protanomaly

64.8890, 0.3914, 0.4318

Deuteranomaly

64.6274, 0.4035, 0.4165

Tritanomaly

64.4970, 0.3474, 0.3570

Monochromacy



Original Color

64.9546, 0.3848, 0.4347

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.6540, 0.3401, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9546, 0.3848, 0.4347 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, 214, 119)` looks like.

```
.text, #text, p{  
    color:rgb(222, 214, 119)  
}
```

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, 214, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 214, 119) }
```

Border

The CSS property to change the border of an element to Yxy 64.9546, 0.3848, 0.4347 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, 214, 119) }
```

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

```
.border{ border-color:rgb(222, 214, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 214, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 214, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 214, 119);  
box-shadow:4px 4px 4px 4px rgb(222, 214,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9546, 0.3848, 0.4347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 214, 119) }
```

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

```
.background{ background-color: rgb(222,  
214, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor