

Converting Colors

$Yxy(41.9901, 0.3480, 0.4226)$

Have a look what the booklet for
Yxy(41.9901, 0.3480, 0.4226)
contains.

Yxy(41.9901, 0.3480, 0.4226)	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(41.9901, 0.3480, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	A2B574
RGB	162, 181, 116
RGB Percent	64%, 71%, 45%
CMY	0.3646, 0.2902, 0.5452
CMYK	0.10, 0.00, 0.36, 0.29
HSL	78°, 31%, 58%
HSV	78°, 36%, 71%
XYZ	34.5777, 41.9901, 22.7935
YIQ	167.9090, 9.5410, -24.2430

Conversions

Conversions Part 2

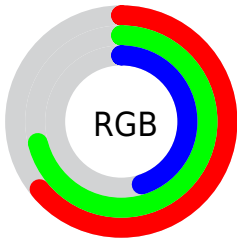
Format	Color
R_{YB}	116, 181, 135
Decimal	10663284
CIE _{Lab}	70.86, -17.48, 31.01
CIE _{LCh}	71, 35.599, 119.406
Yxy	41.9901, 0.3480, 0.4226
Android (android.graphics.Color)	4288853364 (0xFFA2B574)
YUV	167.9090, -25.5911, -5.1822
Hunter-Lab	64.7998, -18.1504, 24.5044

Details

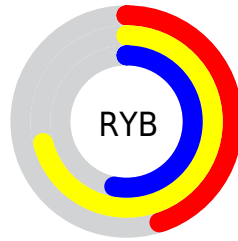
The Yxy color **41.9901, 0.3480, 0.4226** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.9647, 0.2670, 0.2279**, and the grayscale version is **39.2362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3384, 0.3423, 0.4041**, and **19.0948, 0.3552, 0.4510** is the 20% darker color. If you saturate the color by 10%, you get **41.0694, 0.3565, 0.4495**, and if you desaturate by 10%, it is **43.0199, 0.3386, 0.3954**.

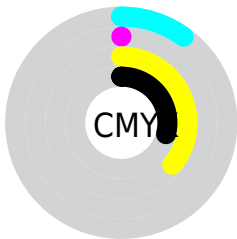
Distribution



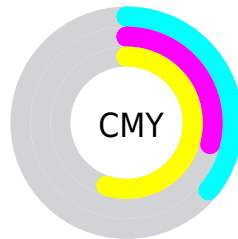
- Red (64%)
- Green (71%)
- Blue (45%)



- Red (45%)
- Yellow (71%)
- Blue (53%)



- Cyan (10%)
- Magenta (0%)
- Yellow (36%)
- Black (29%)





- Cyan (36%)
- Magenta (29%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9901, 0.3480, 0.4226 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 41.9901, 0.3480, 0.4226 by changing the saturation by 10% instead.


 41.9901, 0.3480,
0.4226


 41.9901, 0.3480,
0.4226


354.4419, 0.3313,
0.3737

 29.0935, 0.3517,
0.4353


 78.1846, 0.3423,
0.4044

 19.1516, 0.3560,
0.4519


 102.2514, 0.3400,
0.3977

 11.7799, 0.3609,
0.4741


 130.8104, 0.3381,
0.3921

 6.5940, 0.3660,
0.5053

164.2459, 0.3364,
0.3873

 3.2095, 0.3768,
0.5624

202.9425, 0.3349,
0.3832

 1.2421, 0.3658,
0.6342

247.2844, 0.3335,

 0.0957, 0.0000,

0.3796

1.0000

297.6560, 0.3324,
0.3765

0.0000, 0.0000,
0.0000

41.9901, 0.3480,
0.4226

41.9901, 0.3480,
0.4226

41.0694, 0.3565,
0.4495

43.0199, 0.3386,
0.3954

40.2470, 0.3636,
0.4749

44.1577, 0.3286,
0.3688

39.5193, 0.3687,
0.4978

45.4100, 0.3186,
0.3434

38.8801, 0.3716,
0.5171


46.7806, 0.3087,
0.3195


38.3220, 0.3719,
0.5319


48.2736, 0.2993,
0.2975


 37.8361, 0.3699,
0.5420

 49.8925, 0.2903,
0.2773

 37.6513, 0.3687,
0.5454

 51.6409, 0.2819,
0.2590

 53.1453, 0.2777,
0.2479

 53.9059, 0.2816,
0.2487

Harmonies

Analogous

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



41.9901, 0.3914, 0.4106



41.9901, 0.3480, 0.4226



41.9901, 0.2972, 0.4040

Triad

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



41.9901, 0.3480, 0.4226



41.9901, 0.2200, 0.2686



41.9901, 0.3731, 0.2989

Complementary

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



41.9901, 0.3480, 0.4226



20.9647, 0.2670, 0.2279

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.



41.9901, 0.3220, 0.2676



41.9901, 0.3480, 0.4226



41.9901, 0.2362, 0.2492

Square

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



41.9901, 0.3480, 0.4226



41.9901, 0.2257, 0.3077



41.9901, 0.2721, 0.2497



41.9901, 0.4081, 0.3382

Rectangle

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



41.9901, 0.3480, 0.4226



41.9901, 0.2662, 0.3759



41.9901, 0.2721, 0.2497



41.9901, 0.3570, 0.2873

Sweetspot

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



41.9920, 0.3480, 0.4226



80.1232, 0.3239, 0.3565



28.2423, 0.3879, 0.3558



17.2537, 0.3252, 0.3599



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.9920, 0.3480, 0.4226



73.9031, 0.3547, 0.4436



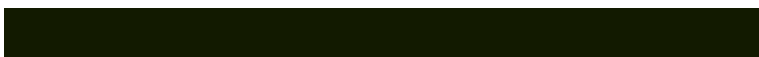
39.0586, 0.3193, 0.4317



9.7796, 0.3220, 0.3518



25.9924, 0.3694, 0.5449



0.8460, 0.3839, 0.5334

Inverse Universe

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



20.9647, 0.2670, 0.2279



30.7522, 0.2545, 0.2030



24.0241, 0.3012, 0.2372



8.3463, 0.3029, 0.3058



2.8499, 0.1704, 0.0713



0.1204, 0.2028, 0.0891

Previews

White Background



This preview shows how the Yxy color 41.9901, 0.3480, 0.4226 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 41.9901, 0.3480, 0.4226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

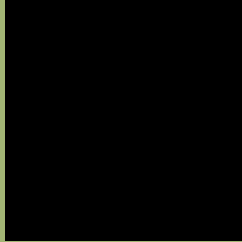
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9901, 0.3480, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 41.9901, 0.3480, 0.4226.



This preview shows how white text looks on a background with the Yxy color 41.9901, 0.3480, 0.4226.

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

41.9901, 0.3480, 0.4226

Protanopia

41.7708, 0.3787, 0.4092

Deuteranopia

41.8697, 0.3959, 0.3882



Tritanopia

41.7081, 0.3005, 0.3101

Trichromacy



Original Color

41.9901, 0.3480, 0.4226

Protanomaly

41.8493, 0.3677, 0.4142

Deuteranomaly

41.5102, 0.3784, 0.3995

Tritanomaly

41.5580, 0.3180, 0.3486

Monochromacy



Original Color

41.9901, 0.3480, 0.4226

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.1641, 0.3265, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9901, 0.3480, 0.4226 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(162, 181, 116)` looks like.

```
.text, #text, p{  
    color:rgb(162, 181, 116)  
}
```

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(162, 181, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 181, 116) }
```

Border

The CSS property to change the border of an element to Yxy 41.9901, 0.3480, 0.4226 is called "border". The border property can be set on classes, ids or directly on the HTML element.

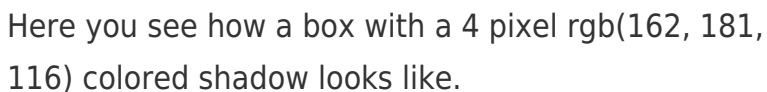
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(162, 181, 116) }
```

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

```
.border{ border-color:rgb(162, 181, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(162, 181, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 181, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 181, 116); box-shadow:4px 4px 4px 4px rgb(162, 181, 116) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9901, 0.3480, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 181, 116) }
```

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

```
.background{ background-color: rgb(162,  
181, 116) }
```

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