

Converting Colors

$Yxy(41.7158, 0.3670, 0.4103)$

Have a look what the booklet for
Yxy(41.7158, 0.3670, 0.4103)
contains.

Yxy(41.6242, 0.3675, 0.4100)	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(41.6242, 0.3675, 0.4100)

Conversions

Conversions Part 1

Format	Color
Hex	B4AF74
RGB	180, 175, 116
RGB Percent	71%, 69%, 45%
CMY	0.2940, 0.3137, 0.5451
CMYK	0.00, 0.03, 0.36, 0.29
HSL	55°, 30%, 58%
HSV	55°, 36%, 71%
XYZ	37.3095, 41.6242, 22.5887
YIQ	169.7690, 21.9190, -17.2890

Conversions

Conversions Part 2

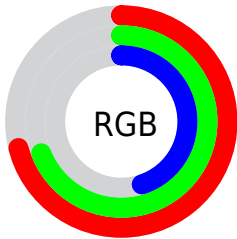
Format	Color
RYB	121, 180, 116
Decimal	11841396
CIELab	70.61, -7.23, 30.93
CIELCh	71, 31.765, 103.148
Yxy	41.6242, 0.3675, 0.4100
Android (android.graphics.Color)	4290031476 (0xFFB4AF74)
YUV	169.7690, -26.5081, 8.9726
Hunter-Lab	64.5168, -9.6795, 24.4031

Details

The Yxy color **41.6242, 0.3675, 0.4100** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.6907, 0.2504, 0.2325**, and the grayscale version is **40.2061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4627, 0.3580, 0.3940**, and **19.0068, 0.3812, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **40.6990, 0.3827, 0.4316**, and if you desaturate by 10%, it is **42.6402, 0.3518, 0.3872**.

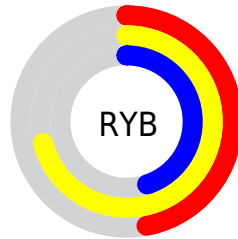
Distribution



Red (71%)

Green (69%)

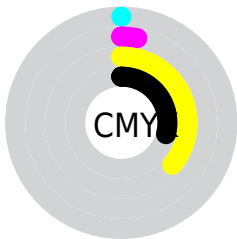
Blue (45%)



Red (47%)

Yellow (71%)

Blue (45%)

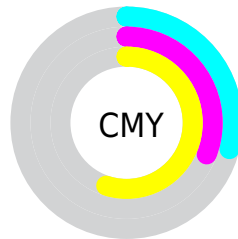


Cyan (0%)

Magenta (3%)

Yellow (36%)

Black (29%)



Cyan (29%)


Magenta (31%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6242, 0.3675, 0.4100 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 41.6242, 0.3675, 0.4100 by changing the saturation by 10% instead.


 41.6242, 0.3675,
0.4100

 41.6242, 0.3675,
0.4100


352.9227, 0.3404,
0.3686

 28.8071, 0.3740,
0.4204


 77.6305, 0.3578,
0.3948

 18.9350, 0.3820,
0.4338

 101.5886, 0.3542,
0.3892

 11.6233, 0.3920,
0.4514


 130.0292, 0.3510,
0.3844

 6.4877, 0.4046,
0.4751

163.3366, 0.3483,
0.3803

 3.1439, 0.4283,
0.5186

201.8953, 0.3459,
0.3768

 1.2073, 0.4388,
0.5612

246.0896, 0.3439,

 0.0676, 0.0000,

0.3737

1.0000

296.3039, 0.3421,
0.3710

■ 0.0000, 0.0000,
0.0000

■ 41.6242, 0.3675,
0.4100

■ 41.6242, 0.3675,
0.4100

■ 40.6990, 0.3827,
0.4316

■ 42.6402, 0.3518,
0.3872

■ 39.8541, 0.3969,
0.4511

■ 43.7455, 0.3361,
0.3641

■ 39.0863, 0.4093,
0.4676


■ 44.9463, 0.3209,
0.3413


■ 38.3896, 0.4195,
0.4802


■ 46.2461, 0.3064,
0.3194

■ 37.7573, 0.4270,
0.4885

■ 47.6487, 0.2929,
0.2987


 37.1810, 0.4320,
0.4927

 49.1574, 0.2804,
0.2795

 36.9352, 0.4337,
0.4938

 50.7753, 0.2690,
0.2617

 52.1782, 0.2614,
0.2503

 52.7788, 0.2616,
0.2519

Harmonies

Analogous

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



41.6242, 0.3975, 0.3887



41.6242, 0.3675, 0.4100



41.6242, 0.3240, 0.4081

Triad

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



41.6242, 0.3675, 0.4100



41.6242, 0.2293, 0.2923



41.6242, 0.3430, 0.2853

Complementary

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



41.6242, 0.3675, 0.4100



20.6907, 0.2504, 0.2325

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.



41.6242, 0.2960, 0.2628



41.6242, 0.3675, 0.4100



41.6242, 0.2333, 0.2645

Square

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



41.6242, 0.3675, 0.4100



41.6242, 0.2454, 0.3347



41.6242, 0.2567, 0.2550



41.6242, 0.3837, 0.3180

Rectangle

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



41.6242, 0.3675, 0.4100



41.6242, 0.2936, 0.3915



41.6242, 0.2567, 0.2550



41.6242, 0.3272, 0.2764

Sweetspot

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



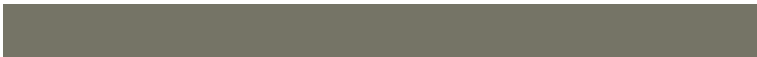
41.6261, 0.3675, 0.4100



80.2230, 0.3294, 0.3540



23.5851, 0.3890, 0.3214



17.2772, 0.3314, 0.3571



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.



41.6261, 0.3675, 0.4100



74.0659, 0.3800, 0.4278



40.7215, 0.3402, 0.4239



9.7901, 0.3265, 0.3498



25.8143, 0.4336, 0.4940



0.8458, 0.4292, 0.4974

Inverse Universe

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



20.6907, 0.2504, 0.2325



30.2630, 0.2338, 0.2060



21.5969, 0.2759, 0.2313



8.3339, 0.2985, 0.3073



2.5635, 0.1517, 0.0661



0.1159, 0.1585, 0.0906

Previews

White Background



This preview shows how the Yxy color 41.6242, 0.3675, 0.4100 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 41.6242, 0.3675, 0.4100 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 41.6242, 0.3675, 0.4100

Background



This preview shows how black text looks on a background with the Yxy color 41.6242, 0.3675, 0.4100.



This preview shows how white text looks on a background with the Yxy color 41.6242, 0.3675, 0.4100.

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

41.6242, 0.3675, 0.4100

Protanopia

41.6897, 0.3761, 0.4069

Deuteranopia

41.3401, 0.3964, 0.3885



Tritanopia

41.4975, 0.3199, 0.3120

Trichromacy



Original Color

41.6242, 0.3675, 0.4100

Protanomaly

41.7003, 0.3727, 0.4090

Deuteranomaly

41.5306, 0.3862, 0.3968

Tritanomaly

41.3741, 0.3370, 0.3466

Monochromacy



Original Color

41.6242, 0.3675, 0.4100

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.7057, 0.3333, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6242, 0.3675, 0.4100 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(180, 175, 116)` looks like.

```
.text, #text, p{  
    color:rgb(180, 175, 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(180, 175, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 175, 116) }
```

Border

The CSS property to change the border of an element to Yxy 41.6242, 0.3675, 0.4100 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(180, 175, 116) }
```

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

```
.border{ border-color:rgb(180, 175, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 175, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 175, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 175, 116);  
box-shadow:4px 4px 4px 4px rgb(180, 175,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6242, 0.3675, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 175, 116) }
```

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

```
.background{ background-color: rgb(180,  
175, 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