

Converting Colors

$Y_{xy}(41.5290, 0.3619, 0.4106)$

Have a look what the booklet for
Yxy(41.5290, 0.3619, 0.4106)
contains.

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Color

Yxy(41.5651, 0.3623, 0.4110)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B0B075 |
| RGB | 176, 176, 117 |
| RGB Percent | 69%, 69%, 46% |
| CMY | 0.3098, 0.3098, 0.5411 |
| CMYK | 0.00, 0.00, 0.34, 0.31 |
| HSL | 60°, 27%, 57% |
| HSV | 60°, 34%, 69% |
| XYZ | 36.6400, 41.5651, 22.9265 |
| YIQ | 169.2740, 18.9390, -18.3490 |

Conversions

Conversions Part 2

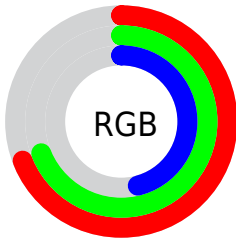
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 117, 176, 117 |
| Decimal | 11579509 |
| CIELab | 70.57, -9.25, 30.27 |
| CIELCh | 71, 31.657, 106.994 |
| Yxy | 41.5651, 0.3623, 0.4110 |
| Android (android.graphics.Color) | 4289769589 (0xFFB0B075) |
| YUV | 169.2740, -25.7711, 5.8987 |
| Hunter-Lab | 64.4710, -11.3796, 24.0456 |

Details

The Yxy color **41.5651, 0.3623, 0.4110** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.6460, 0.2537, 0.2313**, and the grayscale version is **39.9430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7713, 0.3531, 0.3957**, and **18.9702, 0.3740, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **41.1905, 0.3763, 0.4342**, and if you desaturate by 10%, it is **42.0213, 0.3475, 0.3866**.

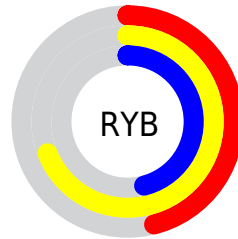
Distribution



Red (69%)

Green (69%)

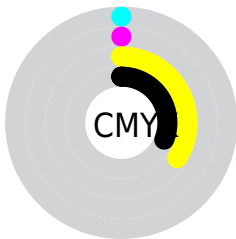
Blue (46%)



Red (46%)

Yellow (69%)

Blue (46%)

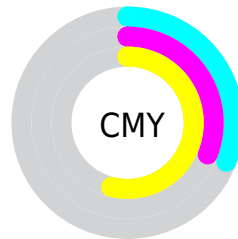


Cyan (0%)

Magenta (0%)

Yellow (34%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5651, 0.3623, 0.4110 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 41.5651, 0.3623, 0.4110 by changing the saturation by 10% instead.


 41.5651, 0.3623,
0.4110


 41.5651, 0.3623,
0.4110


352.6769, 0.3379,
0.3688


 28.7609, 0.3681,
0.4217


 77.5410, 0.3536,
0.3955

 18.9000, 0.3752,
0.4355


 101.4815, 0.3503,
0.3897

 11.5981, 0.3841,
0.4538


 129.9029, 0.3475,
0.3848

 6.4706, 0.3951,
0.4789

163.1895, 0.3450,
0.3807

 3.1333, 0.4154,
0.5240

201.7259, 0.3429,
0.3771

 1.2017, 0.4247,
0.5753

245.8963, 0.3410,

 0.0631, 0.0000,

0.3740

1.0000

296.0852, 0.3394,
0.3712

0.0000, 0.0000,
0.0000

41.5651, 0.3623,
0.4110

41.5651, 0.3623,
0.4110

41.1905, 0.3763,
0.4342

42.0213, 0.3475,
0.3866

40.8876, 0.3890,
0.4552

42.5574, 0.3325,
0.3618

40.6532, 0.3998,
0.4731


43.1793, 0.3178,
0.3374


40.4822, 0.4084,
0.4872

43.8902, 0.3036,
0.3139

40.3683, 0.4144,
0.4972

44.6936, 0.2902,
0.2917

 40.3042, 0.4179,
0.5030

 45.5927, 0.2777,
0.2711

 40.2787, 0.4193,
0.5053

 46.5904, 0.2662,
0.2521

 47.5064, 0.2574,
0.2375

 47.5069, 0.2574,
0.2375

Harmonies

Analogous

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



41.5651, 0.3945, 0.3922



41.5651, 0.3623, 0.4110



41.5651, 0.3181, 0.4056

Triad

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



41.5651, 0.3623, 0.4110



41.5651, 0.2289, 0.2879



41.5651, 0.3488, 0.2891

Complementary

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



41.5651, 0.3623, 0.4110



19.6460, 0.2537, 0.2313

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.



41.5651, 0.3019, 0.2651



41.5651, 0.3623, 0.4110



41.5651, 0.2354, 0.2625

Square

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



41.5651, 0.3623, 0.4110



41.5651, 0.2424, 0.3288



41.5651, 0.2611, 0.2552



41.5651, 0.3875, 0.3226

Rectangle

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



41.5651, 0.3623, 0.4110



41.5651, 0.2881, 0.3869



41.5651, 0.2611, 0.2552



41.5651, 0.3333, 0.2798

Sweetspot

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



41.5670, 0.3623, 0.4110



77.5382, 0.3276, 0.3536



23.2426, 0.3893, 0.3292



16.7714, 0.3296, 0.3569



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



41.5670, 0.3623, 0.4110



74.8785, 0.3725, 0.4278



38.4960, 0.3341, 0.4192



9.9066, 0.3263, 0.3515



29.5510, 0.4193, 0.5053



0.9298, 0.4193, 0.5053

Inverse Universe

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



19.6460, 0.2537, 0.2313



29.1558, 0.2386, 0.2065



22.0198, 0.2838, 0.2390



8.2303, 0.2985, 0.3055



2.3002, 0.1500, 0.0600



0.0724, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 41.5651, 0.3623, 0.4110 looks on a white background.

Color Contrast Check

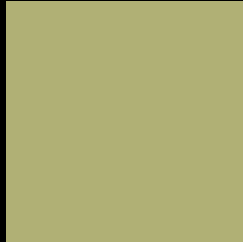
Large Text (above 18pt) WCAG AA × Fail

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 41.5651, 0.3623, 0.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

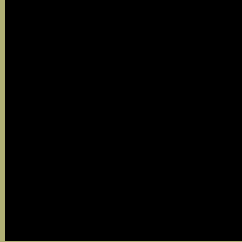
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5651, 0.3623, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 41.5651, 0.3623, 0.4110.



This preview shows how white text looks on a background with the Yxy color 41.5651, 0.3623, 0.4110.

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

41.5651, 0.3623, 0.4110

Protanopia

41.3308, 0.3757, 0.4044

Deuteranopia

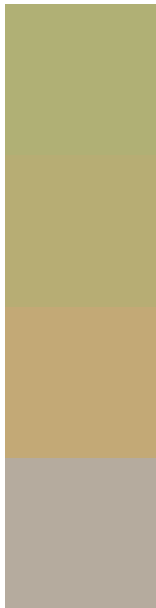
41.3640, 0.3954, 0.3873



Tritanopia

41.5318, 0.3162, 0.3119

Trichromacy



Original Color

41.5651, 0.3623, 0.4110

Protanomaly

41.2154, 0.3713, 0.4067

Deuteranomaly

41.2860, 0.3833, 0.3960

Tritanomaly

41.4182, 0.3331, 0.3467

Monochromacy



Original Color

41.5651, 0.3623, 0.4110

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.4777, 0.3314, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5651, 0.3623, 0.4110 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(176, 176, 117)` looks like.

```
.text, #text, p{  
    color:rgb(176, 176, 117)  
}
```

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(176, 176, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 176, 117) }
```

Border

The CSS property to change the border of an element to Yxy 41.5651, 0.3623, 0.4110 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(176, 176, 117) }
```

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

```
.border{ border-color:rgb(176, 176, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 176, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 176, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 176, 117);  
box-shadow:4px 4px 4px 4px rgb(176, 176,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5651, 0.3623, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 176, 117) }
```

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

```
.background{ background-color: rgb(176,  
176, 117) }
```

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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