

Converting Colors

$Yxy(40.5499, 0.3628, 0.4450)$

Have a look what the booklet for
Yxy(40.5499, 0.3628, 0.4450)
contains.

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Color

Yxy(40.3852, 0.3635, 0.4451)

Conversions

Conversions Part 1

Format	Color
Hex	A2B261
RGB	162, 178, 97
RGB Percent	64%, 70%, 38%
CMY	0.3646, 0.3020, 0.6196
CMYK	0.09, 0.00, 0.46, 0.30
HSL	72°, 34%, 54%
HSV	72°, 46%, 70%
XYZ	32.9814, 40.3852, 17.3663
YIQ	163.9820, 16.4650, -28.5830

Conversions

Conversions Part 2

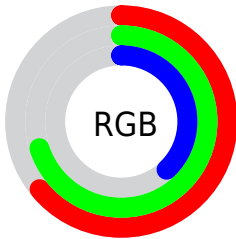
Format	Color
RYB	97, 178, 113
Decimal	10662497
CIELab	69.74, -18.23, 39.37
CIELCh	70, 43.385, 114.842
Yxy	40.3852, 0.3635, 0.4451
Android (android.graphics.Color)	4288852577 (0xFFA2B261)
YUV	163.9820, -33.0221, -1.7382
Hunter-Lab	63.5494, -18.5719, 28.2822

Details

The Yxy color **40.3852, 0.3635, 0.4451** is a light color, and the websafe version is hex **999933**. A complement of this color would be **15.2738, 0.2437, 0.1947**, and the grayscale version is **37.2720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9210, 0.3554, 0.4232**, and **18.1318, 0.3744, 0.4790** is the 20% darker color. If you saturate the color by 10%, you get **39.7287, 0.3723, 0.4690**, and if you desaturate by 10%, it is **41.1301, 0.3533, 0.4195**.

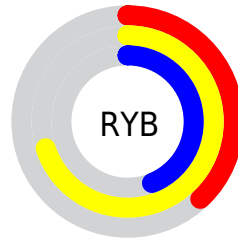
Distribution



Red (64%)

Green (70%)

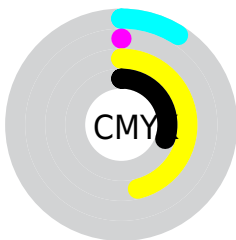
Blue (38%)



Red (38%)

Yellow (70%)

Blue (44%)

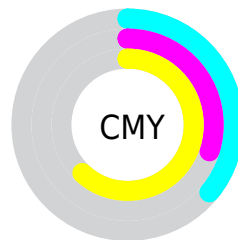


Cyan (9%)

Magenta (0%)

Yellow (46%)

Black (30%)



Cyan (36%)


Magenta (30%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3852, 0.3635, 0.4451 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 40.3852, 0.3635, 0.4451 by changing the saturation by 10% instead.


 40.3852, 0.3635,
0.4451


 40.3852, 0.3635,
0.4451


347.7445, 0.3397,
0.3845


 27.8390, 0.3685,
0.4606


 75.7497, 0.3555,
0.4227

 18.2043, 0.3741,
0.4805


 99.3368, 0.3522,
0.4144

 11.0968, 0.3800,
0.5065


 127.3731, 0.3495,
0.4074

 6.1320, 0.3848,
0.5416

 160.2428, 0.3470,
0.4014

 2.9255, 0.3945,
0.6055

198.3304, 0.3449,
0.3963

 1.0930, 0.3468,
0.6532

242.0203, 0.3429,

 0.0000, 0.0000,

0.3919

0.0000

291.6968, 0.3412,
0.3880

■ 40.3852, 0.3635,
0.4451

■ 40.3852, 0.3635,
0.4451

■ 39.7287, 0.3723,
0.4690

■ 41.1301, 0.3533,
0.4195

■ 39.1499, 0.3792,
0.4902

■ 41.9627, 0.3421,
0.3933

■ 38.6451, 0.3838,
0.5076

■ 42.8890, 0.3306,
0.3674


■ 38.2076, 0.3859,
0.5208

■ 43.9130, 0.3190,
0.3423


■ 37.8289, 0.3855,
0.5294

■ 45.0384, 0.3077,
0.3185

 37.6696, 0.3849,
0.5326

 46.2688, 0.2969,
0.2964

 47.6076, 0.2867,
0.2760

 49.0579, 0.2772,
0.2575

 50.4801, 0.2698,
0.2427

Harmonies

Analogous

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



40.3852, 0.4144, 0.4225



40.3852, 0.3635, 0.4451



40.3852, 0.3018, 0.4297

Triad

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



40.3852, 0.3635, 0.4451



40.3852, 0.2003, 0.2600



40.3852, 0.3782, 0.2856

Complementary

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



40.3852, 0.3635, 0.4451



15.2738, 0.2437, 0.1947

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.



40.3852, 0.3135, 0.2506



40.3852, 0.3635, 0.4451



40.3852, 0.2156, 0.2342

Square

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



40.3852, 0.3635, 0.4451



40.3852, 0.2105, 0.3104



40.3852, 0.2548, 0.2321



40.3852, 0.4262, 0.3310

Rectangle

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



40.3852, 0.3635, 0.4451



40.3852, 0.2630, 0.3969



40.3852, 0.2548, 0.2321



40.3852, 0.3573, 0.2724

Sweetspot

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



40.3870, 0.3635, 0.4451



78.0019, 0.3291, 0.3641



21.8838, 0.4219, 0.3511



17.1974, 0.3316, 0.3696



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.



40.3870, 0.3635, 0.4451



71.9964, 0.3727, 0.4700



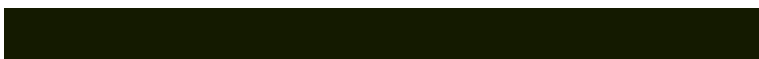
36.8888, 0.3269, 0.4603



9.8203, 0.3234, 0.3517



26.9799, 0.3853, 0.5322



0.8705, 0.3954, 0.5243

Inverse Universe

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



15.2738, 0.2437, 0.1947



20.5293, 0.2242, 0.1603



18.4735, 0.2873, 0.2096



8.3082, 0.3015, 0.3057



2.5787, 0.1606, 0.0658



0.1048, 0.1870, 0.0804

Previews

White Background



This preview shows how the Yxy color 40.3852, 0.3635, 0.4451 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 40.3852, 0.3635, 0.4451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

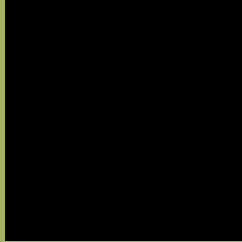
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3852, 0.3635, 0.4451

Background



This preview shows how black text looks on a background with the Yxy color 40.3852, 0.3635, 0.4451.



This preview shows how white text looks on a background with the Yxy color 40.3852, 0.3635, 0.4451.

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

40.3852, 0.3635, 0.4451

Protanopia

40.1224, 0.3949, 0.4296

Deuteranopia

40.0456, 0.4145, 0.4048



Tritanopia

40.1533, 0.3046, 0.3100

Trichromacy



Original Color

40.3852, 0.3635, 0.4451

Protanomaly

40.1783, 0.3833, 0.4355

Deuteranomaly

40.0017, 0.3954, 0.4185

Tritanomaly

40.0642, 0.3268, 0.3589

Monochromacy



Original Color

40.3852, 0.3635, 0.4451

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.0559, 0.3321, 0.3715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3852, 0.3635, 0.4451 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, 178, 97)` looks like.

```
.text, #text, p{  
    color:rgb(162, 178, 97)  
}
```

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, 178, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 178, 97) }
```

Border

The CSS property to change the border of an element to Yxy 40.3852, 0.3635, 0.4451 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, 178, 97) }
```

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

```
.border{ border-color:rgb(162, 178, 97) }
```

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

Here you see how a box with a 4 pixel rgb(162, 178, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 178, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 178, 97);  
box-shadow:4px 4px 4px 4px rgb(162, 178,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3852, 0.3635, 0.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 178, 97) }
```

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

```
.background{ background-color: rgb(162,  
178, 97) }
```

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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