

Converting Colors

$Yxy(40.6367, 0.3440, 0.4394)$

Have a look what the booklet for
Yxy(40.6367, 0.3440, 0.4394)
contains.

Yxy(40.5933, 0.3436, 0.4392)	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(40.5933, 0.3436, 0.4392)

Conversions

Conversions Part 1

Format	Color
Hex	96B56B
RGB	150, 181, 107
RGB Percent	59%, 71%, 42%
CMY	0.4117, 0.2902, 0.5803
CMYK	0.17, 0.00, 0.41, 0.29
HSL	85°, 33%, 56%
HSV	85°, 41%, 71%
XYZ	31.7574, 40.5933, 20.0748
YIQ	163.2950, 5.2780, -29.5860

Conversions

Conversions Part 2

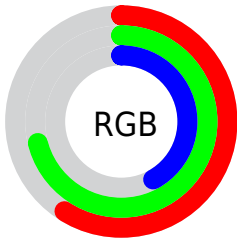
Format	Color
RYB	107, 181, 138
Decimal	9876843
CIELab	69.89, -23.26, 34.26
CIELCh	70, 41.407, 124.179
Yxy	40.5933, 0.3436, 0.4392
Android (android.graphics.Color)	4288066923 (0xFF96B56B)
YUV	163.2950, -27.7534, -11.6597
Hunter-Lab	63.7129, -22.5249, 25.9178

Details

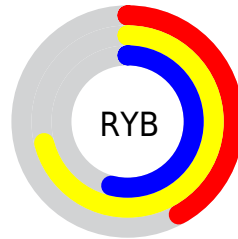
The Yxy color **40.5933, 0.3436, 0.4392** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **19.2583, 0.2691, 0.2152**, and the grayscale version is **36.9067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0507, 0.3391, 0.4179**, and **18.3405, 0.3494, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **39.5569, 0.3492, 0.4675**, and if you desaturate by 10%, it is **41.7596, 0.3368, 0.4106**.

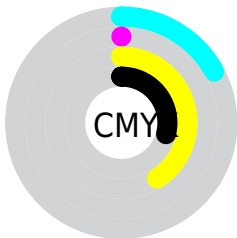
Distribution



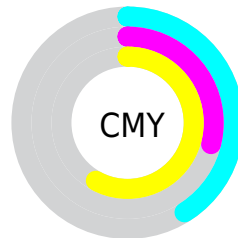
- Red (59%)
- Green (71%)
- Blue (42%)



- Red (42%)
- Yellow (71%)
- Blue (54%)



- Cyan (17%)
- Magenta (0%)
- Yellow (41%)
- Black (29%)





- Cyan (41%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5933, 0.3436, 0.4392 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 40.5933, 0.3436, 0.4392 by changing the saturation by 10% instead.

 40.5933, 0.3436,
0.4392


 40.5933, 0.3436,
0.4392


348.6179, 0.3297,
0.3809


 28.0014, 0.3463,
0.4546


 76.0661, 0.3391,
0.4173

 18.3267, 0.3492,
0.4747


 99.7159, 0.3372,
0.4093

 11.1848, 0.3518,
0.5019


 127.8204, 0.3355,
0.4026

 6.1913, 0.3527,
0.5401

 160.7640, 0.3341,
0.3969

 2.9617, 0.3681,
0.6314

198.9312, 0.3328,
0.3921

 1.1118, 0.2984,
0.7016

242.7063, 0.3316,

 0.0000, 0.0000,

0.3878

0.0000

292.4738, 0.3306,
0.3841

■ 40.5933, 0.3436,
0.4392

■ 40.5933, 0.3436,
0.4392

■ 39.5569, 0.3492,
0.4675

■ 41.7596, 0.3368,
0.4106

■ 38.6390, 0.3533,
0.4941

■ 43.0558, 0.3292,
0.3826

■ 37.8351, 0.3552,
0.5179

■ 44.4888, 0.3213,
0.3559

■ 37.1379, 0.3549,
0.5375

■ 46.0634, 0.3134,
0.3311

■ 36.5387, 0.3523,
0.5520


■ 47.7840, 0.3056,
0.3082

 36.0628, 0.3484,
0.5616

 49.6549, 0.2982,
0.2875

 51.6801, 0.2911,
0.2687

 53.8637, 0.2845,
0.2519

 55.2111, 0.2880,
0.2502

Harmonies

Analogous

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



40.5933, 0.3971, 0.4281



40.5933, 0.3436, 0.4392



40.5933, 0.2846, 0.4117

Triad

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



40.5933, 0.3436, 0.4392



40.5933, 0.2070, 0.2529



40.5933, 0.3921, 0.3004

Complementary

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



40.5933, 0.3436, 0.4392



19.2583, 0.2691, 0.2152

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.



40.5933, 0.3331, 0.2628



40.5933, 0.3436, 0.4392



40.5933, 0.2291, 0.2352

Square

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



40.5933, 0.3436, 0.4392



40.5933, 0.2091, 0.2944



40.5933, 0.2734, 0.2396



40.5933, 0.4286, 0.3458

Rectangle

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



40.5933, 0.3436, 0.4392



40.5933, 0.2503, 0.3751



40.5933, 0.2734, 0.2396



40.5933, 0.3739, 0.2867

Sweetspot

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



40.5951, 0.3436, 0.4392



79.3235, 0.3224, 0.3594



29.0174, 0.3962, 0.3735



17.0719, 0.3234, 0.3627



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.



40.5951, 0.3436, 0.4392



71.0310, 0.3487, 0.4645



37.6326, 0.3117, 0.4510



9.7258, 0.3201, 0.3519



24.9021, 0.3492, 0.5609



0.8169, 0.3688, 0.5453

Inverse Universe

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



19.2583, 0.2691, 0.2152



27.6254, 0.2566, 0.1880



22.9496, 0.3103, 0.2279



8.3982, 0.3048, 0.3059



3.3927, 0.1890, 0.0815



0.1414, 0.2224, 0.0999

Previews

White Background



This preview shows how the Yxy color 40.5933, 0.3436, 0.4392 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 40.5933, 0.3436, 0.4392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

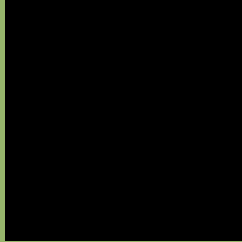
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5933, 0.3436, 0.4392

Background



This preview shows how black text looks on a background with the Yxy color 40.5933, 0.3436, 0.4392.



This preview shows how white text looks on a background with the Yxy color 40.5933, 0.3436, 0.4392.

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

40.5933, 0.3436, 0.4392

Protanopia

40.1678, 0.3867, 0.4190

Deuteranopia

40.3212, 0.4029, 0.3949



Tritanopia

40.5849, 0.2928, 0.3110

Trichromacy



Original Color

40.5933, 0.3436, 0.4392

Protanomaly

40.1558, 0.3708, 0.4270

Deuteranomaly

40.1895, 0.3798, 0.4104

Tritanomaly

40.2624, 0.3115, 0.3551

Monochromacy



Original Color

40.5933, 0.3436, 0.4392

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.0017, 0.3246, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5933, 0.3436, 0.4392 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(150, 181, 107)` looks like.

```
.text, #text, p{  
    color:rgb(150, 181, 107)  
}
```

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(150, 181, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 181, 107) }
```

Border

The CSS property to change the border of an element to Yxy 40.5933, 0.3436, 0.4392 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(150, 181, 107) }
```

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

```
.border{ border-color:rgb(150, 181, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 181, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 181, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 181, 107);  
box-shadow:4px 4px 4px 4px rgb(150, 181,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5933, 0.3436, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 181, 107) }
```

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

```
.background{ background-color: rgb(150,  
181, 107) }
```

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