

Converting Colors

$Yxy(39.9739, 0.3433, 0.3855)$

Have a look what the booklet for
Yxy(39.9739, 0.3433, 0.3855)
contains.

| | |
|---|----|
| Yxy(40.0156, 0.3431, 0.3863) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(40.0156, 0.3431, 0.3863)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A9AD85 |
| RGB | 169, 173, 133 |
| RGB Percent | 66%, 68%, 52% |
| CMY | 0.3372, 0.3216, 0.4785 |
| CMYK | 0.02, 0.00, 0.23, 0.32 |
| HSL | 66°, 20%, 60% |
| HSV | 66°, 23%, 68% |
| XYZ | 35.5406, 40.0156, 28.0306 |
| YIQ | 167.2440, 10.4560, -13.2880 |

Conversions

Conversions Part 2

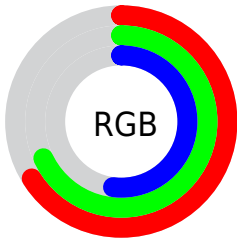
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 133, 173, 137 |
| Decimal | 11120005 |
| CIELab | 69.48, -8.23, 20.15 |
| CIELCh | 69, 21.768, 112.223 |
| Yxy | 40.0156, 0.3431, 0.3863 |
| Android (android.graphics.Color) | 4289310085 (0xFFA9AD85) |
| YUV | 167.2440, -16.8823, 1.5400 |
| Hunter-Lab | 63.2579, -10.4133, 18.0082 |

Details

The Yxy color **40.0156, 0.3431, 0.3863** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.0996, 0.2781, 0.2661**, and the grayscale version is **38.8499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0395, 0.3382, 0.3751**, and **18.0123, 0.3510, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **39.3888, 0.3561, 0.4116**, and if you desaturate by 10%, it is **40.7272, 0.3298, 0.3610**.

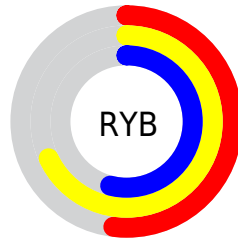
Distribution



Red (66%)

Green (68%)

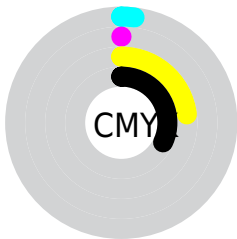
Blue (52%)



Red (52%)

Yellow (68%)

Blue (54%)

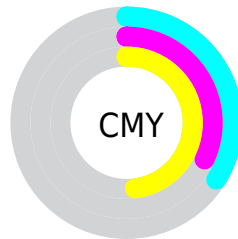


Cyan (2%)

Magenta (0%)

Yellow (23%)

Black (32%)



Cyan (34%)


Magenta (32%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0156, 0.3431, 0.3863 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 40.0156, 0.3431, 0.3863 by changing the saturation by 10% instead.


 40.0156, 0.3431,
0.3863


 40.0156, 0.3431,
0.3863


346.1893, 0.3279,
0.3565

 27.5507, 0.3469,
0.3941


 75.1873, 0.3376,
0.3752

 17.9873, 0.3516,
0.4043


 98.6628, 0.3355,
0.3711

 10.9408, 0.3578,
0.4182


 126.5774, 0.3338,
0.3677

 6.0271, 0.3662,
0.4381

159.3154, 0.3322,
0.3648

 2.8615, 0.3774,
0.4687

197.2612, 0.3309,
0.3623

 1.0599, 0.4291,
0.5709

240.7992, 0.3298,

 0.0000, 0.0000,

0.3601

0.0000

290.3138, 0.3288,
0.3582

■ 40.0156, 0.3431,
0.3863

■ 40.0156, 0.3431,
0.3863

■ 39.3888, 0.3561,
0.4116

■ 40.7272, 0.3298,
0.3610

■ 38.8377, 0.3683,
0.4361

■ 41.5218, 0.3167,
0.3365

■ 38.3598, 0.3793,
0.4588

■ 42.4047, 0.3041,
0.3131

■ 37.9505, 0.3885,
0.4788

■ 43.3791, 0.2921,
0.2912

■ 37.6046, 0.3954,
0.4952

■ 44.4479, 0.2809,
0.2710

■ 37.3164, 0.3998,
0.5074

■ 45.6140, 0.2705,
0.2525

■ 37.0787, 0.4017,
0.5152

■ 46.8802, 0.2610,
0.2357

■ 36.9343, 0.4020,
0.5190

■ 47.1492, 0.2616,
0.2351

■ 47.3613, 0.2628,
0.2354

Harmonies

Analogous

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



40.0156, 0.3672, 0.3772



40.0156, 0.3431, 0.3863



40.0156, 0.3116, 0.3784

Triad

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



40.0156, 0.3431, 0.3863



40.0156, 0.2527, 0.2970



40.0156, 0.3434, 0.3046

Complementary

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



40.0156, 0.3431, 0.3863



25.0996, 0.2781, 0.2661

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.



40.0156, 0.3112, 0.2856



40.0156, 0.3431, 0.3863



40.0156, 0.2600, 0.2803

Square

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



40.0156, 0.3431, 0.3863



40.0156, 0.2603, 0.3242



40.0156, 0.2810, 0.2766



40.0156, 0.3678, 0.3299

Rectangle

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



40.0156, 0.3431, 0.3863



40.0156, 0.2908, 0.3640



40.0156, 0.2810, 0.2766



40.0156, 0.3331, 0.2974

Sweetspot

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



40.0174, 0.3431, 0.3863



73.7769, 0.3219, 0.3461



28.2725, 0.3582, 0.3341



16.0158, 0.3227, 0.3475



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



40.0174, 0.3431, 0.3863



71.0481, 0.3501, 0.3999



38.0314, 0.3248, 0.3898



9.2891, 0.3248, 0.3515



27.1473, 0.4022, 0.5188



0.7666, 0.4078, 0.5144

Inverse Universe

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



25.0996, 0.2781, 0.2661



39.3974, 0.2687, 0.2493



26.8851, 0.2978, 0.2695



7.7939, 0.3000, 0.3057



2.3178, 0.1541, 0.0622



0.0764, 0.1704, 0.0713

Previews

White Background



This preview shows how the Yxy color 40.0156, 0.3431, 0.3863 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 40.0156, 0.3431, 0.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

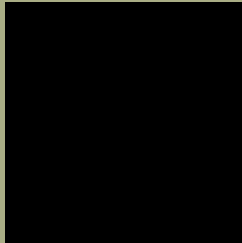
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

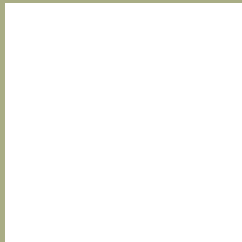
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0156, 0.3431, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 40.0156, 0.3431, 0.3863.



This preview shows how white text looks on a background with the Yxy color 40.0156, 0.3431, 0.3863.

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

40.0156, 0.3431, 0.3863

Protanopia

39.8384, 0.3578, 0.3817

Deuteranopia

39.9494, 0.3733, 0.3659



Tritanopia

40.0467, 0.3090, 0.3114

Trichromacy



Original Color

40.0156, 0.3431, 0.3863

Protanomaly

39.7625, 0.3526, 0.3823

Deuteranomaly

39.9235, 0.3617, 0.3739

Tritanomaly

39.9045, 0.3215, 0.3374

Monochromacy



Original Color

40.0156, 0.3431, 0.3863

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.0673, 0.3238, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0156, 0.3431, 0.3863 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(169, 173, 133)` looks like.

```
.text, #text, p{  
    color:rgb(169, 173, 133)  
}
```

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(169, 173, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 173, 133) }
```

Border

The CSS property to change the border of an element to Yxy 40.0156, 0.3431, 0.3863 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(169, 173, 133) }
```

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

```
.border{ border-color:rgb(169, 173, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 173, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 173, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 173, 133);  
box-shadow:4px 4px 4px 4px rgb(169, 173,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0156, 0.3431, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 173, 133) }
```

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

```
.background{ background-color: rgb(169,  
173, 133) }
```

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