

Converting Colors

$Y_{xy}(39.9500, 0.3413, 0.3635)$

Have a look what the booklet for
Yxy(39.9500, 0.3413, 0.3635)
contains.

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Color

Yxy(40.1409, 0.3410, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	B1AA91
RGB	177, 170, 145
RGB Percent	69%, 67%, 57%
CMY	0.3059, 0.3333, 0.4314
CMYK	0.00, 0.04, 0.18, 0.31
HSL	47°, 17%, 63%
HSV	47°, 18%, 69%
XYZ	37.6149, 40.1409, 32.5517
YIQ	169.2430, 12.1970, -6.2910

Conversions

Conversions Part 2

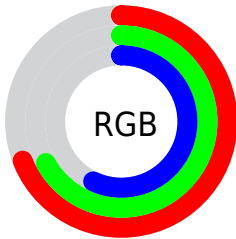
Format	Color
RYB	154, 177, 145
Decimal	11643537
CIELab	69.57, -1.74, 13.80
CIElCh	70, 13.912, 97.191
Yxy	40.1409, 0.3410, 0.3639
Android (android.graphics.Color)	4289833617 (0xFFB1AA91)
YUV	169.2430, -11.9518, 6.8029
Hunter-Lab	63.3568, -4.8993, 13.8875

Details

The Yxy color **40.1409, 0.3410, 0.3639** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6427, 0.2841, 0.2915**, and the grayscale version is **39.8586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2976, 0.3358, 0.3569**, and **18.0682, 0.3486, 0.3737** is the 20% darker color. If you saturate the color by 10%, you get **38.2116, 0.3581, 0.3839**, and if you desaturate by 10%, it is **42.2014, 0.3249, 0.3443**.

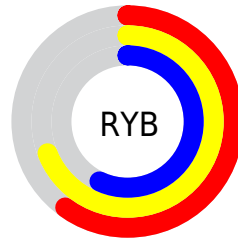
Distribution



Red (69%)

Green (67%)

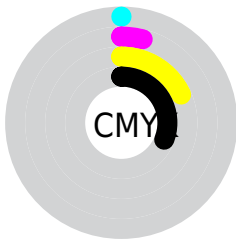
Blue (57%)



Red (60%)

Yellow (69%)

Blue (57%)

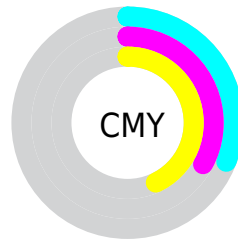


Cyan (0%)

Magenta (4%)

Yellow (18%)

Black (31%)



Cyan (31%)


Magenta (33%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1409, 0.3410, 0.3639 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 40.1409, 0.3410, 0.3639 by changing the saturation by 10% instead.


 40.1409, 0.3410,
0.3639


 40.1409, 0.3410,
0.3639

346.7171, 0.3266,
0.3460

 27.6484, 0.3447,
0.3685


 75.3780, 0.3357,
0.3573

 18.0608, 0.3495,
0.3746


 98.8915, 0.3337,
0.3548

 10.9936, 0.3559,
0.3827


126.8473, 0.3320,
0.3527

 6.0626, 0.3650,
0.3944

159.6300, 0.3306,
0.3510

 2.8832, 0.3787,
0.4123

197.6240, 0.3294,
0.3495

 1.0710, 0.4352,
0.4803

241.2135, 0.3283,

 0.0000, 0.0000,

0.3481

0.0000

290.7831, 0.3274,
0.3470

■ 40.1409, 0.3410,
0.3639

■ 40.1409, 0.3410,
0.3639

■ 38.2116, 0.3581,
0.3839

■ 42.2014, 0.3249,
0.3443

■ 36.4039, 0.3759,
0.4037

■ 44.3917, 0.3099,
0.3255

■ 34.7148, 0.3938,
0.4225

■ 46.7174, 0.2962,
0.3077

■ 33.1396, 0.4112,
0.4393

■ 49.1823, 0.2838,
0.2912

■ 31.6725, 0.4274,
0.4532

■ 51.7896, 0.2726,
0.2759

■ 30.3075, 0.4417,
0.4632

■ 54.5427, 0.2625,
0.2619

■ 29.0375, 0.4533,
0.4686

■ 56.5177, 0.2609,
0.2626

■ 27.8510, 0.4622,
0.4698

■ 58.2947, 0.2614,
0.2672

■ 27.6289, 0.4638,
0.4699

■ 60.1170, 0.2620,
0.2717

Harmonies

Analogous

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



40.1409, 0.3518, 0.3544



40.1409, 0.3410, 0.3639



40.1409, 0.3227, 0.3639

Triad

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



40.1409, 0.3410, 0.3639



40.1409, 0.2751, 0.3171



40.1409, 0.3225, 0.3062

Complementary

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



40.1409, 0.3410, 0.3639



31.6427, 0.2841, 0.2915

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.



40.1409, 0.3018, 0.2967



40.1409, 0.3410, 0.3639



40.1409, 0.2749, 0.3023

Square

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



40.1409, 0.3410, 0.3639



40.1409, 0.2849, 0.3361



40.1409, 0.2845, 0.2952



40.1409, 0.3410, 0.3213

Rectangle

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



40.1409, 0.3410, 0.3639



40.1409, 0.3089, 0.3580



40.1409, 0.2845, 0.2952



40.1409, 0.3155, 0.3023

Sweetspot

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



40.1427, 0.3410, 0.3639



76.7397, 0.3203, 0.3386



31.8779, 0.3392, 0.3184



16.5733, 0.3213, 0.3399



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.



40.1427, 0.3410, 0.3639



70.3890, 0.3482, 0.3725



41.8595, 0.3315, 0.3743



9.5857, 0.3268, 0.3467



20.1126, 0.4632, 0.4704



0.7111, 0.4488, 0.4818

Inverse Universe

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



31.6427, 0.2841, 0.2915



52.1088, 0.2766, 0.2814



30.2476, 0.2916, 0.2818



8.5209, 0.2985, 0.3107



3.4092, 0.1569, 0.0849



0.1932, 0.1715, 0.1373

Previews

White Background



This preview shows how the Yxy color 40.1409, 0.3410, 0.3639 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 40.1409, 0.3410, 0.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

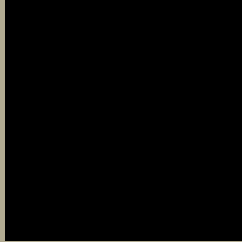
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

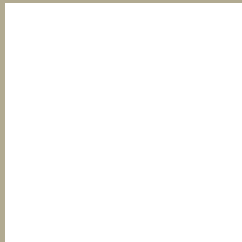
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1409, 0.3410, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 40.1409, 0.3410, 0.3639.



This preview shows how white text looks on a background with the Yxy color 40.1409, 0.3410, 0.3639.

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

40.1409, 0.3410, 0.3639

Protanopia

40.0040, 0.3432, 0.3623

Deuteranopia

40.2283, 0.3594, 0.3529



Tritanopia

39.9484, 0.3163, 0.3116

Trichromacy



Original Color

40.1409, 0.3410, 0.3639

Protanomaly

39.8852, 0.3422, 0.3624

Deuteranomaly

40.0391, 0.3519, 0.3561

Tritanomaly

40.0939, 0.3257, 0.3304

Monochromacy



Original Color

40.1409, 0.3410, 0.3639

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6847, 0.3232, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1409, 0.3410, 0.3639 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(177, 170, 145)` looks like.

```
.text, #text, p{  
    color:rgb(177, 170, 145)  
}
```

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(177, 170, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 170, 145) }
```

Border

The CSS property to change the border of an element to Yxy 40.1409, 0.3410, 0.3639 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(177, 170, 145) }
```

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

```
.border{ border-color:rgb(177, 170, 145) }
```

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

Here you see how a box with a 4 pixel rgb(177, 170, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 170, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 170, 145);  
box-shadow:4px 4px 4px 4px rgb(177, 170,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1409, 0.3410, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 170, 145) }
```

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

```
.background{ background-color: rgb(177,  
170, 145) }
```

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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