

Converting Colors

$Y_{xy}(40.3572, 0.3670, 0.4627)$

Have a look what the booklet for
Yxy(40.3572, 0.3670, 0.4627)
contains.

Yxy(40.1812, 0.3668, 0.4621)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.1812, 0.3668, 0.4621)

Conversions

Conversions Part 1

Format	Color
Hex	9EB356
RGB	158, 179, 86
RGB Percent	62%, 70%, 34%
CMY	0.3805, 0.2980, 0.6628
CMYK	0.12, 0.00, 0.52, 0.30
HSL	74°, 38%, 52%
HSV	74°, 52%, 70%
XYZ	31.8945, 40.1812, 14.8777
YIQ	162.1190, 17.3370, -33.3750

Conversions

Conversions Part 2

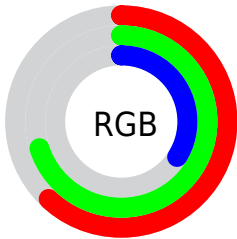
Format	Color
RYB	86, 179, 107
Decimal	10400598
CIELab	69.60, -21.51, 44.57
CIElCh	70, 49.488, 115.757
Yxy	40.1812, 0.3668, 0.4621
Android (android.graphics.Color)	4288590678 (0xFF9EB356)
YUV	162.1190, -37.5267, -3.6124
Hunter-Lab	63.3886, -21.1163, 30.4563

Details

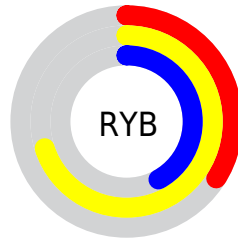
The Yxy color **40.1812, 0.3668, 0.4621** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.0394, 0.2344, 0.1743**, and the grayscale version is **36.3610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5478, 0.3587, 0.4369**, and **17.9861, 0.3762, 0.5023** is the 20% darker color. If you saturate the color by 10%, you get **39.5257, 0.3739, 0.4849**, and if you desaturate by 10%, it is **40.9262, 0.3579, 0.4370**.

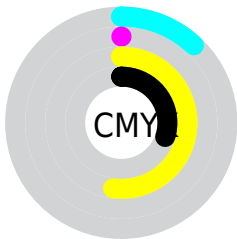
Distribution



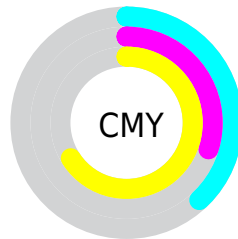
- Red (62%)
- Green (70%)
- Blue (34%)



- Red (34%)
- Yellow (70%)
- Blue (42%)



- Cyan (12%)
- Magenta (0%)
- Yellow (52%)
- Black (30%)





- Cyan (38%)
- Magenta (30%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1812, 0.3668, 0.4621 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 40.1812, 0.3668, 0.4621 by changing the saturation by 10% instead.

 40.1812, 0.3668,
0.4621


 40.1812, 0.3668,
0.4621


346.8867, 0.3423,
0.3926


 27.6799, 0.3715,
0.4797


 75.4394, 0.3588,
0.4365


 18.0845, 0.3764,
0.5020


 98.9650, 0.3555,
0.4270

 11.0106, 0.3806,
0.5309


 126.9341, 0.3526,
0.4189

 6.0740, 0.3846,
0.5728

 159.7312, 0.3500,
0.4121

 2.8901, 0.3766,
0.6234

 197.7406, 0.3477,
0.4062

 1.0746, 0.3110,
0.6890

241.3467, 0.3457,

 0.0000, 0.0000,

0.4011

0.0000

290.9340, 0.3439,
0.3966

■ 40.1812, 0.3668,
0.4621

■ 40.1812, 0.3668,
0.4621

■ 39.5257, 0.3739,
0.4849

■ 40.9262, 0.3579,
0.4370

■ 38.9485, 0.3789,
0.5044

■ 41.7602, 0.3478,
0.4108

■ 38.4451, 0.3813,
0.5197

■ 42.6897, 0.3370,
0.3843

■ 38.0078, 0.3813,
0.5305

■ 43.7190, 0.3259,
0.3584

■ 37.6917, 0.3799,
0.5366

■ 44.8521, 0.3148,
0.3337

■ 46.0926, 0.3041,
0.3105

■ 47.4443, 0.2939,
0.2891

■ 48.9104, 0.2844,
0.2694

■ 50.4942, 0.2755,
0.2516

Harmonies

Analogous

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



40.1812, 0.4257, 0.4348



40.1812, 0.3668, 0.4621



40.1812, 0.2970, 0.4445

Triad

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



40.1812, 0.3668, 0.4621



40.1812, 0.1869, 0.2488



40.1812, 0.3894, 0.2811

Complementary

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



40.1812, 0.3668, 0.4621



13.0394, 0.2344, 0.1743

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.



40.1812, 0.3154, 0.2420



40.1812, 0.3668, 0.4621



40.1812, 0.2046, 0.2217

Square

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



40.1812, 0.3668, 0.4621



40.1812, 0.1967, 0.3046



40.1812, 0.2487, 0.2208



40.1812, 0.4436, 0.3314

Rectangle

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



40.1812, 0.3668, 0.4621



40.1812, 0.2537, 0.4054



40.1812, 0.2487, 0.2208



40.1812, 0.3655, 0.2665

Sweetspot

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



40.1830, 0.3668, 0.4621



77.4688, 0.3307, 0.3694



20.5965, 0.4427, 0.3583



17.0806, 0.3329, 0.3747



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.



40.1830, 0.3668, 0.4621



70.6577, 0.3746, 0.4872



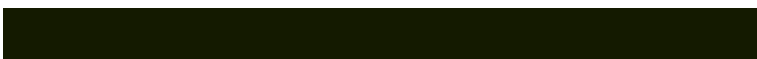
36.3858, 0.3251, 0.4823



9.8078, 0.3230, 0.3517



26.6600, 0.3804, 0.5362



0.8627, 0.3919, 0.5271

Inverse Universe

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



13.0394, 0.2344, 0.1743



16.8843, 0.2141, 0.1394



16.6497, 0.2861, 0.1941



8.3199, 0.3019, 0.3057



2.6508, 0.1632, 0.0673



0.1096, 0.1920, 0.0831

Previews

White Background



This preview shows how the Yxy color 40.1812, 0.3668, 0.4621 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 40.1812, 0.3668, 0.4621 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 40.1812, 0.3668, 0.4621

Background



This preview shows how black text looks on a background with the Yxy color 40.1812, 0.3668, 0.4621.



This preview shows how white text looks on a background with the Yxy color 40.1812, 0.3668, 0.4621.

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

40.1812, 0.3668, 0.4621

Protanopia

40.0654, 0.4042, 0.4416

Deuteranopia

39.9887, 0.4247, 0.4165



Tritanopia

40.1883, 0.3019, 0.3112

Trichromacy



Original Color

40.1812, 0.3668, 0.4621

Protanomaly

39.8743, 0.3905, 0.4490

Deuteranomaly

39.6737, 0.4032, 0.4318

Tritanomaly

39.9931, 0.3273, 0.3664

Monochromacy



Original Color

40.1812, 0.3668, 0.4621

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.3036, 0.3357, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1812, 0.3668, 0.4621 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(158, 179, 86)` looks like.

```
.text, #text, p{  
    color:rgb(158, 179, 86)  
}
```

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(158, 179, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 179, 86) }
```

Border

The CSS property to change the border of an element to Yxy 40.1812, 0.3668, 0.4621 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(158, 179, 86) }
```

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

```
.border{ border-color:rgb(158, 179, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 179, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 179, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 179, 86);  
box-shadow:4px 4px 4px 4px rgb(158, 179,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1812, 0.3668, 0.4621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 179, 86) }
```

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

```
.background{ background-color: rgb(158,  
179, 86) }
```

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