

Converting Colors

$Y_{xy}(40.4930, 0.3009, 0.3230)$

Have a look what the booklet for
Yxy(40.4930, 0.3009, 0.3230)
contains.

Yxy(40.4262, 0.3015, 0.3234)	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(40.4262, 0.3015, 0.3234)

Conversions

Conversions Part 1

Format	Color
Hex	A3ACB0
RGB	163, 172, 176
RGB Percent	64%, 67%, 69%
CMY	0.3609, 0.3254, 0.3098
CMYK	0.07, 0.02, 0.00, 0.31
HSL	198°, 8%, 66%
HSV	198°, 7%, 69%
XYZ	37.6886, 40.4262, 46.8889
YIQ	169.7650, -6.6480, -0.6640

Conversions

Conversions Part 2

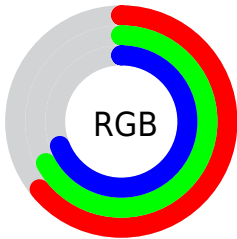
Format	Color
R _Y B	163, 168, 176
Decimal	10726576
CIE Lab	69.77, -2.37, -3.15
CIE LCh	70, 3.943, 232.989
Yxy	40.4262, 0.3015, 0.3234
Android (android.graphics.Color)	4288916656 (0xFFA3ACB0)
YUV	169.7650, 3.0739, -5.9329
Hunter-Lab	63.5816, -5.4602, 0.7831

Details

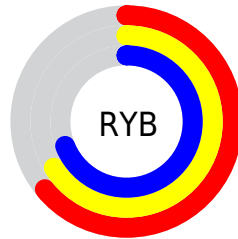
The Yxy color **40.4262, 0.3015, 0.3234** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.4951, 0.3246, 0.3345**, and the grayscale version is **40.0610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6698, 0.3034, 0.3236**, and **18.2677, 0.2973, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **36.6894, 0.2863, 0.3152**, and if you desaturate by 10%, it is **44.5080, 0.3166, 0.3309**.

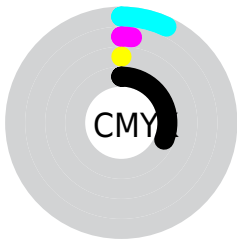
Distribution



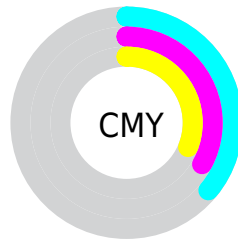
- Red (64%)
- Green (67%)
- Blue (69%)



- Red (64%)
- Yellow (66%)
- Blue (69%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)



- Cyan (36%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.4262, 0.3015, 0.3234 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 40.4262, 0.3015, 0.3234 by changing the saturation by 10% instead.

■ 40.4262, 0.3015,
0.3234

■ 40.4262, 0.3015,
0.3234

347.9167, 0.3072,
0.3263

■ 27.8710, 0.3000,
0.3226

■ 75.8121, 0.3036,
0.3245

■ 18.2284, 0.2981,
0.3217

■ 99.4116, 0.3044,
0.3249

■ 11.1141, 0.2955,
0.3203

127.4612, 0.3051,
0.3252

■ 6.1436, 0.2918,
0.3184

160.3455, 0.3056,
0.3255

■ 2.9326, 0.2861,
0.3153

198.4488, 0.3061,
0.3257

■ 1.0967, 0.2760,
0.3098

242.1555, 0.3065,

■ 0.0000, 0.0000,

0.3259

0.0000

291.8500, 0.3069,
0.3261

■ 40.4262, 0.3015,
0.3234

■ 40.4262, 0.3015,
0.3234

■ 36.6894, 0.2863,
0.3152

■ 44.5080, 0.3166,
0.3309

■ 33.2808, 0.2713,
0.3061

■ 48.9407, 0.3315,
0.3376

■ 30.1900, 0.2567,
0.2964

■ 53.7364, 0.3459,
0.3435

■ 27.4036, 0.2430,
0.2860

■ 58.9049, 0.3597,
0.3488

■ 24.9072, 0.2305,
0.2750

■ 64.4558, 0.3729,
0.3534

■ 22.6852, 0.2195,
0.2637

■ 67.7329, 0.3745,
0.3586

■ 20.7197, 0.2102,
0.2522

■ 70.3424, 0.3728,
0.3640

■ 18.9903, 0.2030,
0.2407

■ 73.0413, 0.3712,
0.3694

■ 17.4667, 0.1975,
0.2293

■ 75.8306, 0.3696,
0.3747

Harmonies

Analogous

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



40.4262, 0.3029, 0.3283



40.4262, 0.3015, 0.3234



40.4262, 0.3030, 0.3201

Triad

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



40.4262, 0.3015, 0.3234



40.4262, 0.3184, 0.3246



40.4262, 0.3183, 0.3391

Complementary

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



40.4262, 0.3015, 0.3234



39.4951, 0.3246, 0.3345

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.



40.4262, 0.3225, 0.3380



40.4262, 0.3015, 0.3234



40.4262, 0.3226, 0.3296

Square

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



40.4262, 0.3015, 0.3234



40.4262, 0.3128, 0.3208



40.4262, 0.3241, 0.3345



40.4262, 0.3126, 0.3374

Rectangle

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



40.4262, 0.3015, 0.3234



40.4262, 0.3055, 0.3192



40.4262, 0.3241, 0.3345



40.4262, 0.3199, 0.3390

Sweetspot

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



40.4279, 0.3015, 0.3234



77.2177, 0.3096, 0.3275



41.6189, 0.3087, 0.3418



16.7521, 0.3098, 0.3276



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.



40.4279, 0.3015, 0.3234



72.0897, 0.2988, 0.3220



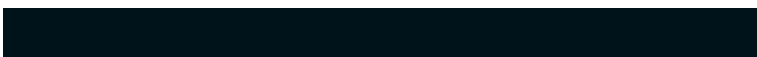
38.0373, 0.3015, 0.3143



9.1839, 0.2986, 0.3219



12.6469, 0.1966, 0.2276



0.4953, 0.2053, 0.2592

Inverse Universe

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



38.3936, 0.3170, 0.3166



67.6027, 0.3181, 0.3136



41.9110, 0.3238, 0.3433



8.6016, 0.3183, 0.3133



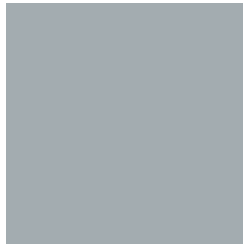
7.8168, 0.4152, 0.2061



0.2558, 0.3832, 0.1885

Previews

White Background



This preview shows how the Yxy color 40.4262, 0.3015, 0.3234 looks on a white background.

Color Contrast Check

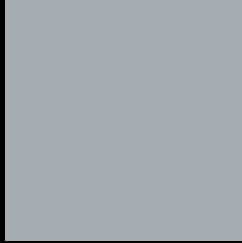
Large Text (above 18pt) WCAG AA × Fail

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 40.4262, 0.3015, 0.3234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

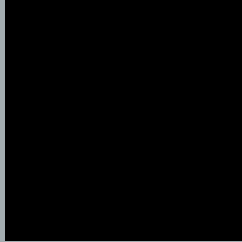
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

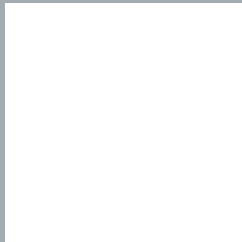
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4262, 0.3015, 0.3234

Background



This preview shows how black text looks on a background with the Yxy color 40.4262, 0.3015, 0.3234.



This preview shows how white text looks on a background with the Yxy color 40.4262, 0.3015, 0.3234.

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

40.4262, 0.3015, 0.3234

Protanopia

40.2026, 0.3112, 0.3221

Deuteranopia

40.2749, 0.3200, 0.3131



Tritanopia

40.4790, 0.2960, 0.3111

Trichromacy



Original Color

40.4262, 0.3015, 0.3234

Protanomaly

40.2796, 0.3077, 0.3221

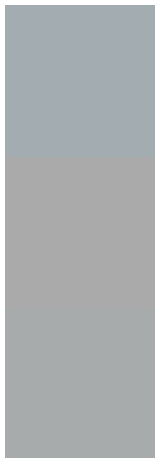
Deuteranomaly

40.4097, 0.3124, 0.3168

Tritanomaly

40.3545, 0.2984, 0.3151

Monochromacy



Original Color

40.4262, 0.3015, 0.3234

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.3199, 0.3083, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4262, 0.3015, 0.3234 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(163, 172, 176)` looks like.

```
.text, #text, p{  
    color:rgb(163, 172, 176)  
}
```

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(163, 172, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 172, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.4262, 0.3015, 0.3234 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(163, 172, 176) }
```

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

```
.border{ border-color:rgb(163, 172, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 172, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 172, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 172, 176);  
box-shadow:4px 4px 4px 4px rgb(163, 172,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4262, 0.3015, 0.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 172, 176) }
```

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

```
.background{ background-color: rgb(163,  
172, 176) }
```

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