

Converting Colors

$Y_{xy}(40.2057, 0.3137, 0.3183)$

Have a look what the booklet for
Yxy(40.2057, 0.3137, 0.3183)
contains.

Yxy(40.3305, 0.3141, 0.3195)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.3305, 0.3141, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	B0A8AF
RGB	176, 168, 175
RGB Percent	69%, 66%, 69%
CMY	0.3097, 0.3412, 0.3137
CMYK	0.00, 0.05, 0.01, 0.31
HSL	308°, 5%, 67%
HSV	308°, 5%, 69%
XYZ	39.6489, 40.3305, 46.2507
YIQ	171.1900, 2.5210, 3.8730

Conversions

Conversions Part 2

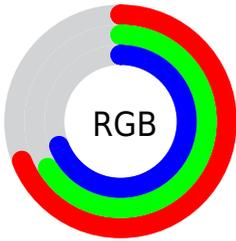
Format	Color
RYB	176, 168, 175
Decimal	11577519
CIELab	69.70, 4.18, -2.58
CIELCh	70, 4.910, 328.346
Yxy	40.3305, 0.3141, 0.3195
Android (android.graphics.Color)	4289767599 (0xFFB0A8AF)
YUV	171.1900, 1.8783, 4.2184
Hunter-Lab	63.5063, 0.3068, 1.2744

Details

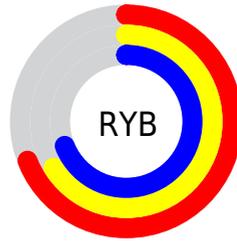
The Yxy color **40.3305, 0.3141, 0.3195** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.2507, 0.3114, 0.3387**, and the grayscale version is **40.8168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6443, 0.3145, 0.3217**, and **18.2059, 0.3146, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **34.1791, 0.3174, 0.2981**, and if you desaturate by 10%, it is **47.3667, 0.3112, 0.3400**.

Distribution



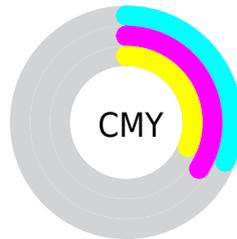
- Red (69%)
- Green (66%)
- Blue (69%)



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



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (31%)



- Cyan (31%)
- Magenta (34%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3305, 0.3141, 0.3195 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 40.3305, 0.3141, 0.3195 by changing the saturation by 10% instead.

 40.3305, 0.3141,
0.3195

 40.3305, 0.3141,
0.3195

347.5146, 0.3134,
0.3243

 27.7963, 0.3143,
0.3183

 75.6665, 0.3138,
0.3213

 18.1722, 0.3145,
0.3167

 99.2372, 0.3138,
0.3219

 11.0737, 0.3148,
0.3145

127.2554, 0.3137,
0.3225

 6.1164, 0.3152,
0.3114

160.1057, 0.3136,
0.3230

 2.9160, 0.3158,
0.3066

198.1723, 0.3135,
0.3234

 1.0880, 0.3169,
0.2983

241.8398, 0.3135,

 0.0000, 0.3292,

0.3237

0.0000

291.4924, 0.3135,
0.3241

 0.0000, 0.0000,
0.0000

 40.3305, 0.3141,
0.3195

 40.3305, 0.3141,
0.3195

 34.1791, 0.3174,
0.2981

 47.3667, 0.3112,
0.3400

 28.8721, 0.3212,
0.2762

 55.3155, 0.3086,
0.3594

 24.3738, 0.3253,
0.2546

 64.2102, 0.3065,
0.3775

 20.6439, 0.3299,
0.2338

 74.0806, 0.3046,
0.3941

 17.6388, 0.3346,
0.2150

 84.3095, 0.3030,
0.4084

■ 15.3102, 0.3395,
0.1989

■ 84.4062, 0.3019,
0.4057

■ 13.6041, 0.3444,
0.1865

■ 84.5045, 0.3007,
0.4030

■ 12.4585, 0.3492,
0.1783

■ 84.6043, 0.2995,
0.4003

■ 11.7981, 0.3536,
0.1745

■ 84.7057, 0.2983,
0.3976

Harmonies

Analogous

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



40.3305, 0.3069, 0.3169



40.3305, 0.3141, 0.3195



40.3305, 0.3210, 0.3246

Triad

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



40.3305, 0.3141, 0.3195



40.3305, 0.3242, 0.3407



40.3305, 0.3000, 0.3269

Complementary

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



40.3305, 0.3141, 0.3195



42.2507, 0.3114, 0.3387

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.



40.3305, 0.3045, 0.3335



40.3305, 0.3141, 0.3195



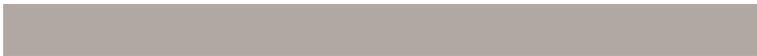
40.3305, 0.3184, 0.3415

Square

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



40.3305, 0.3141, 0.3195



40.3305, 0.3268, 0.3368



40.3305, 0.3112, 0.3388



40.3305, 0.2988, 0.3211

Rectangle

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



40.3305, 0.3141, 0.3195



40.3305, 0.3244, 0.3287



40.3305, 0.3112, 0.3388



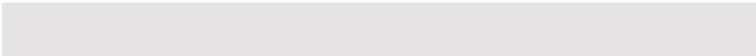
40.3305, 0.3011, 0.3291

Sweetspot

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



40.3322, 0.3141, 0.3195



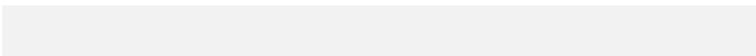
77.4594, 0.3130, 0.3269



39.5673, 0.3068, 0.3179



16.8017, 0.3130, 0.3270



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

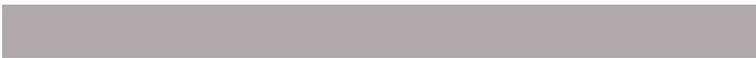
The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.3322, 0.3141, 0.3195



72.4993, 0.3143, 0.3184



40.1803, 0.3175, 0.3248



9.1746, 0.3144, 0.3173



8.4773, 0.3555, 0.1732



0.2719, 0.3446, 0.1672

Inverse Universe

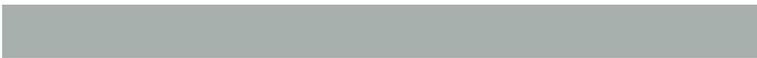
The Inverse Universe completely reimagines the original color for something new.



40.3322, 0.3141, 0.3195



72.4993, 0.3143, 0.3184



42.4003, 0.3082, 0.3332



9.1746, 0.3144, 0.3173



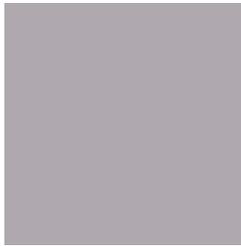
8.4773, 0.3555, 0.1732



0.2719, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 40.3305, 0.3141, 0.3195 looks on a white background.

Color Contrast Check

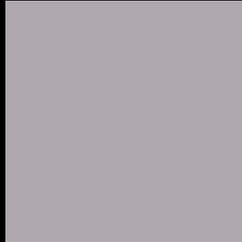
Large Text (above 18pt) WCAG AA × Fail

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 40.3305, 0.3141, 0.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

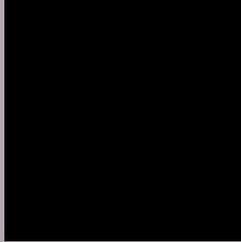
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

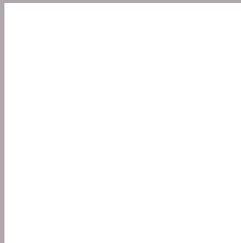
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3305, 0.3141, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 40.3305, 0.3141, 0.3195.



This preview shows how white text looks on a background with the Yxy color 40.3305, 0.3141, 0.3195.

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

40.3305, 0.3141, 0.3195

Protanopia

40.2812, 0.3096, 0.3194

Deuteranopia

40.2352, 0.3208, 0.3144



Tritanopia

40.2798, 0.3108, 0.3115

Trichromacy



Original Color

40.3305, 0.3141, 0.3195

Protanomaly

40.3948, 0.3105, 0.3194

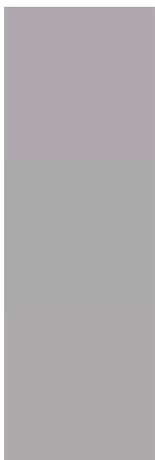
Deuteranomaly

40.2308, 0.3180, 0.3156

Tritanomaly

40.1989, 0.3125, 0.3142

Monochromacy



Original Color

40.3305, 0.3141, 0.3195

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.6122, 0.3137, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3305, 0.3141, 0.3195 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(176, 168, 175)` looks like.

```
.text, #text, p{  
    color:rgb(176, 168, 175)  
}
```

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(176, 168, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 168, 175) }
```

Border

The CSS property to change the border of an element to Yxy 40.3305, 0.3141, 0.3195 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(176, 168, 175) }
```

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

```
.border{ border-color:rgb(176, 168, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 168, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 168, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 168, 175);  
box-shadow:4px 4px 4px 4px rgb(176, 168,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3305, 0.3141, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 168, 175) }
```

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

```
.background{ background-color: rgb(176,  
168, 175) }
```

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