

Converting Colors

Yxy(39.8159, 0.3071, 0.3260)

Have a look what the booklet for
Yxy(39.8159, 0.3071, 0.3260)
contains.

Yxy(39.8350, 0.3075, 0.3262)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8350, 0.3075, 0.3262)

Conversions

Conversions Part 1

Format	Color
Hex	A6AAAC
RGB	166, 170, 172
RGB Percent	65%, 67%, 67%
CMY	0.3489, 0.3334, 0.3255
CMYK	0.03, 0.01, 0.00, 0.33
HSL	200°, 3%, 66%
HSV	200°, 3%, 67%
XYZ	37.5514, 39.8350, 44.7319
YIQ	169.0320, -3.0260, -0.2260

Conversions

Conversions Part 2

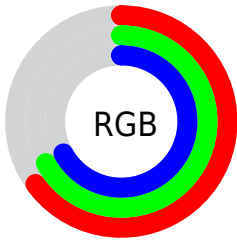
Format	Color
RYB	166, 168, 172
Decimal	10922668
CIELab	69.35, -1.01, -1.52
CIELCh	69, 1.825, 236.439
Yxy	39.8350, 0.3075, 0.3262
Android (android.graphics.Color)	4289112748 (0xFFA6AAAC)
YUV	169.0320, 1.4632, -2.6591
Hunter-Lab	63.1150, -4.2494, 2.1594

Details

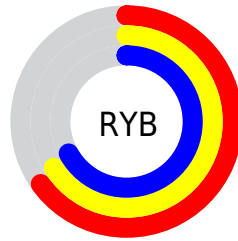
The Yxy color **39.8350, 0.3075, 0.3262** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5391, 0.3181, 0.3318**, and the grayscale version is **39.6895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7686, 0.3087, 0.3268**, and **17.8903, 0.3054, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **35.9893, 0.2923, 0.3175**, and if you desaturate by 10%, it is **44.0272, 0.3225, 0.3340**.

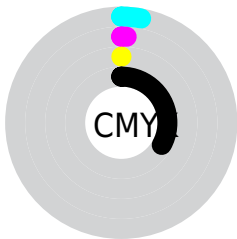
Distribution



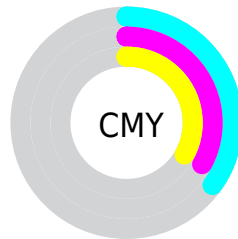
- Red (65%)
- Green (67%)
- Blue (67%)



- Red (65%)
- Yellow (66%)
- Blue (67%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (35%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8350, 0.3075, 0.3262 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 39.8350, 0.3075, 0.3262 by changing the saturation by 10% instead.

■ 39.8350, 0.3075,
0.3262

■ 39.8350, 0.3075,
0.3262

■ 345.4276, 0.3102,
0.3277

■ 27.4099, 0.3068,
0.3258

■ 74.9122, 0.3085,
0.3267

■ 17.8813, 0.3059,
0.3253

■ 98.3331, 0.3089,
0.3269

■ 10.8648, 0.3047,
0.3247

■ 126.1881, 0.3092,
0.3271

■ 5.9760, 0.3029,
0.3237

■ 158.8615, 0.3094,
0.3272

■ 2.8305, 0.3002,
0.3222

■ 196.7378, 0.3097,
0.3274

■ 1.0439, 0.2953,
0.3194

■ 240.2013, 0.3099,

■ 0.0000, 0.0000,

0.3275

0.0000

289.6364, 0.3100,
0.3276

■ 39.8350, 0.3075,
0.3262

■ 39.8350, 0.3075,
0.3262

■ 35.9893, 0.2923,
0.3175

■ 44.0272, 0.3225,
0.3340

■ 32.4740, 0.2771,
0.3080

■ 48.5711, 0.3370,
0.3410

■ 29.2790, 0.2621,
0.2976

■ 53.4785, 0.3510,
0.3472

■ 26.3921, 0.2478,
0.2864

■ 58.7588, 0.3644,
0.3526

■ 23.7997, 0.2344,
0.2746

■ 64.4210, 0.3771,
0.3574

■ 21.4872, 0.2224,
0.2623

■ 67.6748, 0.3776,
0.3630

■ 19.4384, 0.2120,
0.2497

■ 70.4709, 0.3757,
0.3687

■ 17.6347, 0.2035,
0.2370

■ 73.3692, 0.3738,
0.3744

■ 16.0543, 0.1970,
0.2245

■ 76.3708, 0.3720,
0.3801

Harmonies

Analogous

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



39.8350, 0.3080, 0.3284



39.8350, 0.3075, 0.3262



39.8350, 0.3084, 0.3247

Triad

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



39.8350, 0.3075, 0.3262



39.8350, 0.3157, 0.3272



39.8350, 0.3150, 0.3337

Complementary

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



39.8350, 0.3075, 0.3262



39.5391, 0.3181, 0.3318

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.



39.8350, 0.3171, 0.3333



39.8350, 0.3075, 0.3262



39.8350, 0.3175, 0.3296

Square

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



39.8350, 0.3075, 0.3262



39.8350, 0.3131, 0.3253



39.8350, 0.3180, 0.3318



39.8350, 0.3124, 0.3327

Rectangle

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



39.8350, 0.3075, 0.3262



39.8350, 0.3096, 0.3244



39.8350, 0.3180, 0.3318



39.8350, 0.3158, 0.3337

Sweetspot

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



39.8367, 0.3075, 0.3262



74.0807, 0.3112, 0.3282



40.4387, 0.3107, 0.3346



16.1085, 0.3113, 0.3282



86.8899, 0.3127, 0.3290



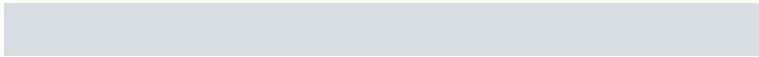
16.2647, 0.3127, 0.3290

Same Dimension

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



39.8367, 0.3075, 0.3262



71.8373, 0.3066, 0.3257



38.7368, 0.3076, 0.3220



9.0298, 0.3057, 0.3252



11.3508, 0.1938, 0.2176



0.4110, 0.2043, 0.2553

Inverse Universe

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



38.9570, 0.3148, 0.3235



69.9700, 0.3152, 0.3225



40.6474, 0.3178, 0.3359



8.7615, 0.3156, 0.3216



7.4489, 0.4258, 0.2119



0.2168, 0.3870, 0.1905

Previews

White Background



This preview shows how the Yxy color 39.8350, 0.3075, 0.3262 looks on a white background.

Color Contrast Check

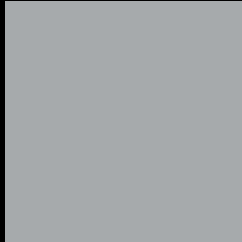
Large Text (above 18pt) WCAG AA × Fail

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 39.8350, 0.3075, 0.3262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

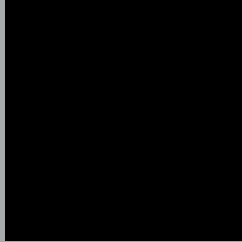
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

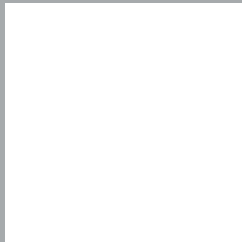
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8350, 0.3075, 0.3262

Background



This preview shows how black text looks on a background with the Yxy color 39.8350, 0.3075, 0.3262.



This preview shows how white text looks on a background with the Yxy color 39.8350, 0.3075, 0.3262.

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

39.8350, 0.3075, 0.3262

Protanopia

39.7162, 0.3138, 0.3249

Deuteranopia

39.7584, 0.3236, 0.3170



Tritanopia

39.7075, 0.3011, 0.3098

Trichromacy



Original Color

39.8350, 0.3075, 0.3262

Protanomaly

39.8623, 0.3119, 0.3262

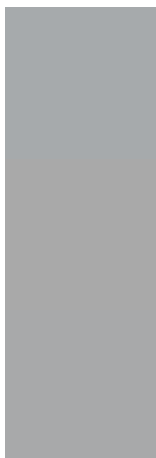
Deuteranomaly

39.6367, 0.3169, 0.3195

Tritanomaly

39.8058, 0.3034, 0.3165

Monochromacy



Original Color

39.8350, 0.3075, 0.3262

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6030, 0.3110, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8350, 0.3075, 0.3262 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(166, 170, 172)` looks like.

```
.text, #text, p{  
    color:rgb(166, 170, 172)  
}
```

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(166, 170, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 170, 172) }
```

Border

The CSS property to change the border of an element to Yxy 39.8350, 0.3075, 0.3262 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(166, 170, 172) }
```

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

```
.border{ border-color:rgb(166, 170, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 170, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 170, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 170, 172);  
box-shadow:4px 4px 4px 4px rgb(166, 170,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8350, 0.3075, 0.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 170, 172) }
```

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

```
.background{ background-color: rgb(166,  
170, 172) }
```

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