

Converting Colors

$Y_{xy}(40.6764, 0.3072, 0.3373)$

Have a look what the booklet for
Yxy(40.6764, 0.3072, 0.3373)
contains.

Yxy(40.7806, 0.3070, 0.3375)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7806, 0.3070, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	A2AEA8
RGB	162, 174, 168
RGB Percent	64%, 68%, 66%
CMY	0.3649, 0.3176, 0.3412
CMYK	0.07, 0.00, 0.03, 0.32
HSL	150°, 7%, 66%
HSV	150°, 7%, 68%
XYZ	37.0952, 40.7806, 42.9556
YIQ	169.7280, -5.2260, -4.4100

Conversions

Conversions Part 2

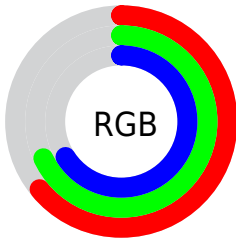
Format	Color
RYB	162, 170, 174
Decimal	10661544
CIELab	70.02, -5.39, 1.63
CIElCh	70, 5.630, 163.174
Yxy	40.7806, 0.3070, 0.3375
Android (android.graphics.Color)	4288851624 (0xFFA2AEA8)
YUV	169.7280, -0.8519, -6.7775
Hunter-Lab	63.8597, -8.0662, 4.8200

Details

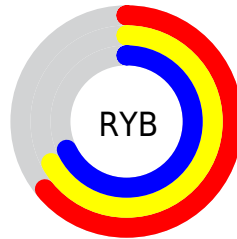
The Yxy color **40.7806, 0.3070, 0.3375** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.6498, 0.3188, 0.3207**, and the grayscale version is **40.0588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1180, 0.3083, 0.3355**, and **18.4950, 0.3049, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **38.7716, 0.2989, 0.3510**, and if you desaturate by 10%, it is **43.0669, 0.3152, 0.3255**.

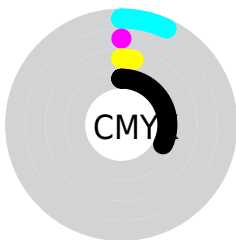
Distribution



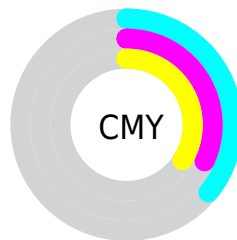
- Red (64%)
- Green (68%)
- Blue (66%)



- Red (64%)
- Yellow (67%)
- Blue (68%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (32%)



- Cyan (36%)
- Magenta (32%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7806, 0.3070, 0.3375 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 40.7806, 0.3070, 0.3375 by changing the saturation by 10% instead.

■ 40.7806, 0.3070,
0.3375

■ 40.7806, 0.3070,
0.3375

349.4028, 0.3099,
0.3331

■ 28.1477, 0.3062,
0.3386

■ 76.3507, 0.3081,
0.3359

■ 18.4370, 0.3052,
0.3401

■ 100.0567, 0.3085,
0.3353

■ 11.2642, 0.3039,
0.3421

128.2226, 0.3088,
0.3348

■ 6.2448, 0.3019,
0.3450

161.2326, 0.3091,
0.3344

■ 2.9945, 0.2989,
0.3496

199.4712, 0.3094,
0.3340

■ 1.1289, 0.2934,
0.3579

243.3229, 0.3096,

■ 0.0024, 0.0000,

0.3337

1.0000

293.1720, 0.3098,
0.3334

0.0000, 0.0000,
0.0000

40.7806, 0.3070,
0.3375

40.7806, 0.3070,
0.3375

38.7716, 0.2989,
0.3510

43.0669, 0.3152,
0.3255

37.0241, 0.2912,
0.3659

45.6354, 0.3235,
0.3148

35.5282, 0.2841,
0.3822

48.4974, 0.3316,
0.3053

34.2717, 0.2780,
0.3998

51.6621, 0.3394,
0.2971

33.2412, 0.2732,
0.4183

55.1382, 0.3470,
0.2898

■ 32.4220, 0.2699,
0.4376

■ 56.7154, 0.3446,
0.2820

■ 31.7976, 0.2685,
0.4570

■ 57.1887, 0.3373,
0.2736

■ 31.3486, 0.2690,
0.4761

■ 57.6863, 0.3301,
0.2654

■ 31.0477, 0.2714,
0.4944

■ 58.2086, 0.3232,
0.2575

Harmonies

Analogous

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



40.7806, 0.3152, 0.3422



40.7806, 0.3070, 0.3375



40.7806, 0.3003, 0.3304

Triad

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



40.7806, 0.3070, 0.3375



40.7806, 0.3025, 0.3150



40.7806, 0.3287, 0.3346

Complementary

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



40.7806, 0.3070, 0.3375



37.6498, 0.3188, 0.3207

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.



40.7806, 0.3252, 0.3274



40.7806, 0.3070, 0.3375



40.7806, 0.3100, 0.3162

Square

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



40.7806, 0.3070, 0.3375



40.7806, 0.2978, 0.3175



40.7806, 0.3184, 0.3208



40.7806, 0.3279, 0.3404

Rectangle

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



40.7806, 0.3070, 0.3375



40.7806, 0.2977, 0.3254



40.7806, 0.3184, 0.3208



40.7806, 0.3280, 0.3323

Sweetspot

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



40.7823, 0.3070, 0.3375



75.9243, 0.3110, 0.3314



41.2095, 0.3173, 0.3459



16.8851, 0.3111, 0.3313



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.



40.7823, 0.3070, 0.3375



73.4917, 0.3060, 0.3391



41.0124, 0.3022, 0.3290



9.0037, 0.3051, 0.3406



22.4684, 0.2717, 0.4979



0.6361, 0.2561, 0.4419

Inverse Universe

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



37.6498, 0.3188, 0.3207



66.8776, 0.3200, 0.3192



37.4302, 0.3243, 0.3290



8.0796, 0.3211, 0.3177



7.0372, 0.4927, 0.2488



0.2068, 0.4277, 0.2130

Previews

White Background



This preview shows how the Yxy color 40.7806, 0.3070, 0.3375 looks on a white background.

Color Contrast Check

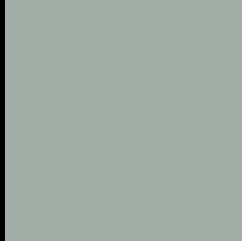
Large Text (above 18pt) WCAG AA × Fail

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 40.7806, 0.3070, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

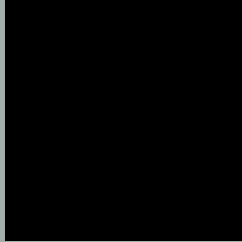
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

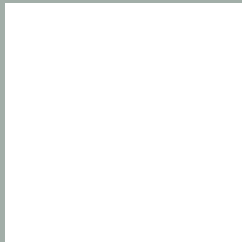
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7806, 0.3070, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 40.7806, 0.3070, 0.3375.



This preview shows how white text looks on a background with the Yxy color 40.7806, 0.3070, 0.3375.

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

40.7806, 0.3070, 0.3375

Protanopia

40.6166, 0.3207, 0.3345

Deuteranopia

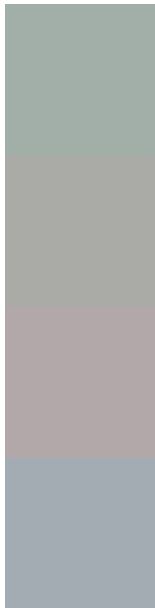
40.5039, 0.3300, 0.3224



Tritanopia

40.6279, 0.2961, 0.3098

Trichromacy



Original Color

40.7806, 0.3070, 0.3375

Protanomaly

40.4619, 0.3152, 0.3346

Deuteranomaly

40.4535, 0.3220, 0.3277

Tritanomaly

40.6522, 0.3000, 0.3193

Monochromacy



Original Color

40.7806, 0.3070, 0.3375

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.2059, 0.3108, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7806, 0.3070, 0.3375 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(162, 174, 168)` looks like.

```
.text, #text, p{  
    color:rgb(162, 174, 168)  
}
```

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(162, 174, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 174, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.7806, 0.3070, 0.3375 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(162, 174, 168) }
```

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

```
.border{ border-color:rgb(162, 174, 168) }
```

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

Here you see how a box with a 4 pixel rgb(162, 174, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 174, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 174, 168);  
box-shadow:4px 4px 4px 4px rgb(162, 174,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7806, 0.3070, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 174, 168) }
```

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

```
.background{ background-color: rgb(162,  
174, 168) }
```

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