

Converting Colors

$Y_{xy}(40.1105, 0.3006, 0.3204)$

Have a look what the booklet for
Yxy(40.1105, 0.3006, 0.3204)
contains.

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Color

Yxy(40.0867, 0.3007, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	A3ABB1
RGB	163, 171, 177
RGB Percent	64%, 67%, 69%
CMY	0.3609, 0.3294, 0.3059
CMYK	0.08, 0.03, 0.00, 0.31
HSL	206°, 8%, 67%
HSV	206°, 8%, 69%
XYZ	37.5985, 40.0867, 47.3513
YIQ	169.2920, -6.6940, 0.1700

Conversions

Conversions Part 2

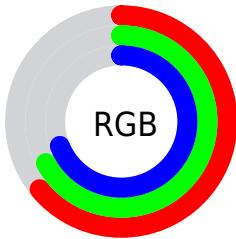
Format	Color
R _Y B	163, 168, 177
Decimal	10726321
CIE Lab	69.53, -1.63, -4.06
CIE LCh	70, 4.373, 248.134
Yxy	40.0867, 0.3007, 0.3206
Android (android.graphics.Color)	4288916401 (0xFFA3ABB1)
YUV	169.2920, 3.8000, -5.5181
Hunter-Lab	63.3141, -4.7990, -0.0220

Details

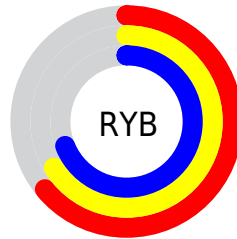
The Yxy color $40.0867, 0.3007, 0.3206$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $40.3521, 0.3253, 0.3373$, and the grayscale version is $39.8103, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.1813, 0.3028, 0.3215$, and $18.0284, 0.2973, 0.3192$ is the 20% darker color. If you saturate the color by 10%, you get $35.5755, 0.2852, 0.3090$, and if you desaturate by 10%, it is $45.0260, 0.3158, 0.3311$.

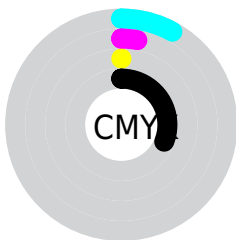
Distribution



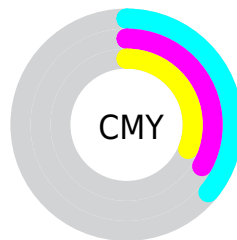
- Red (64%)
- Green (67%)
- Blue (69%)



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



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0867, 0.3007, 0.3206 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 40.0867, 0.3007, 0.3206 by changing the saturation by 10% instead.


 40.0867, 0.3007,
0.3206


 40.0867, 0.3007,
0.3206


346.4889, 0.3068,
0.3249

 27.6061, 0.2991,
0.3195


 75.2955, 0.3030,
0.3222

 18.0290, 0.2971,
0.3180


 98.7926, 0.3038,
0.3228

 10.9708, 0.2943,
0.3160


126.7306, 0.3045,
0.3233

 6.0472, 0.2903,
0.3131

159.4940, 0.3051,
0.3237

 2.8738, 0.2841,
0.3086

197.4671, 0.3056,
0.3241

 1.0662, 0.2731,
0.3005

241.0343, 0.3061,

 0.0000, 0.0000,

0.3244

0.0000

290.5801, 0.3065,
0.3247

■ 40.0867, 0.3007,
0.3206

■ 40.0867, 0.3007,
0.3206

■ 35.5755, 0.2852,
0.3090

■ 45.0260, 0.3158,
0.3311

■ 31.4738, 0.2695,
0.2961

■ 50.4011, 0.3303,
0.3404

■ 27.7689, 0.2540,
0.2822

■ 56.2260, 0.3442,
0.3487

■ 24.4457, 0.2390,
0.2673

■ 62.5122, 0.3573,
0.3560

■ 21.4875, 0.2249,
0.2515

■ 69.2710, 0.3695,
0.3624

■ 18.8763, 0.2122,
0.2352

■ 73.7254, 0.3701,
0.3696

■ 16.5920, 0.2013,
0.2187

■ 77.6950, 0.3678,
0.3770

■ 14.6116, 0.1924,
0.2024

■ 81.8451, 0.3656,
0.3842

■ 12.8999, 0.1856,
0.1866

■ 86.1780, 0.3635,
0.3913

Harmonies

Analogous

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



40.0867, 0.3006, 0.3253



40.0867, 0.3007, 0.3206



40.0867, 0.3040, 0.3182

Triad

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



40.0867, 0.3007, 0.3206



40.0867, 0.3217, 0.3268



40.0867, 0.3158, 0.3397

Complementary

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



40.0867, 0.3007, 0.3206



40.3521, 0.3253, 0.3373

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.



40.0867, 0.3215, 0.3400



40.0867, 0.3007, 0.3206



40.0867, 0.3250, 0.3325

Square

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



40.0867, 0.3007, 0.3206



40.0867, 0.3161, 0.3218



40.0867, 0.3249, 0.3373



40.0867, 0.3093, 0.3364

Rectangle

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



40.0867, 0.3007, 0.3206



40.0867, 0.3075, 0.3182



40.0867, 0.3249, 0.3373



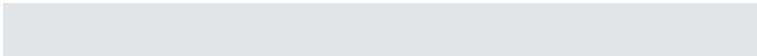
40.0867, 0.3179, 0.3401

Sweetspot

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



40.0884, 0.3007, 0.3206



76.9125, 0.3097, 0.3269



42.0863, 0.3071, 0.3404



16.6896, 0.3098, 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.



40.0884, 0.3007, 0.3206



69.9163, 0.2972, 0.3181



37.5591, 0.3007, 0.3109



9.0116, 0.2985, 0.3190



9.2277, 0.1847, 0.1850



0.4032, 0.1971, 0.2294

Inverse Universe

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



38.4723, 0.3189, 0.3180



66.2999, 0.3208, 0.3148



42.9758, 0.3244, 0.3465



8.5842, 0.3201, 0.3160



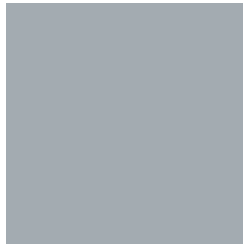
7.4717, 0.4626, 0.2322



0.2465, 0.4132, 0.2050

Previews

White Background



This preview shows how the Yxy color 40.0867, 0.3007, 0.3206 looks on a white background.

Color Contrast Check

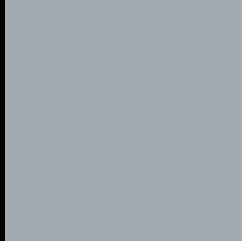
Large Text (above 18pt) WCAG AA × Fail

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 40.0867, 0.3007, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

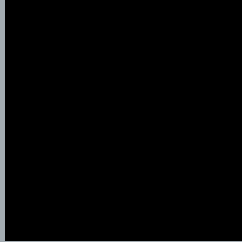
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

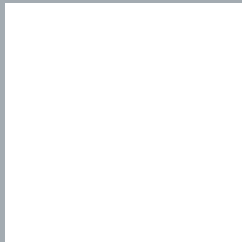
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0867, 0.3007, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 40.0867, 0.3007, 0.3206.



This preview shows how white text looks on a background with the Yxy color 40.0867, 0.3007, 0.3206.

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

40.0867, 0.3007, 0.3206

Protanopia

40.1685, 0.3087, 0.3194

Deuteranopia

40.0697, 0.3172, 0.3117



Tritanopia

40.0609, 0.2968, 0.3110

Trichromacy



Original Color

40.0867, 0.3007, 0.3206

Protanomaly

40.2089, 0.3059, 0.3207

Deuteranomaly

39.9657, 0.3107, 0.3141

Tritanomaly

39.9782, 0.2984, 0.3137

Monochromacy



Original Color

40.0867, 0.3007, 0.3206

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.9435, 0.3083, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0867, 0.3007, 0.3206 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, 171, 177)` looks like.

```
.text, #text, p{  
    color:rgb(163, 171, 177)  
}
```

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, 171, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 171, 177) }
```

Border

The CSS property to change the border of an element to Yxy 40.0867, 0.3007, 0.3206 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, 171, 177) }
```

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

```
.border{ border-color:rgb(163, 171, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 171, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 171, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 171, 177);  
box-shadow:4px 4px 4px 4px rgb(163, 171,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0867, 0.3007, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 171, 177) }
```

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

```
.background{ background-color: rgb(163,  
171, 177) }
```

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](#).

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