

Converting Colors

$Y_{xy}(40.0615, 0.3124, 0.3355)$

Have a look what the booklet for
Yxy(40.0615, 0.3124, 0.3355)
contains.

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Color

Yxy(39.9860, 0.3124, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	A6ABA6
RGB	166, 171, 166
RGB Percent	65%, 67%, 65%
CMY	0.3489, 0.3294, 0.3490
CMYK	0.03, 0.00, 0.03, 0.33
HSL	120°, 3%, 66%
HSV	120°, 3%, 67%
XYZ	37.1775, 39.9860, 41.8425
YIQ	168.9350, -1.3750, -2.6150

Conversions

Conversions Part 2

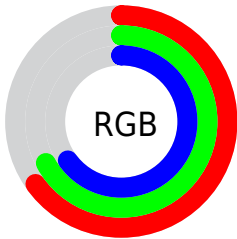
Format	Color
RYB	166, 171, 171
Decimal	10922918
CIELab	69.46, -2.69, 1.94
CIELCh	69, 3.319, 144.278
Yxy	39.9860, 0.3124, 0.3360
Android (android.graphics.Color)	4289112998 (0xFFA6ABA6)
YUV	168.9350, -1.4470, -2.5740
Hunter-Lab	63.2345, -5.7148, 5.0317

Details

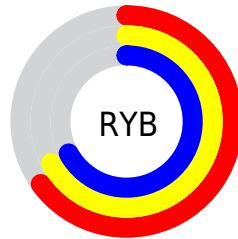
The Yxy color **39.9860, 0.3124, 0.3360** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8743, 0.3130, 0.3221**, and the grayscale version is **39.6535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9853, 0.3125, 0.3344**, and **17.9860, 0.3123, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **37.6784, 0.3112, 0.3622**, and if you desaturate by 10%, it is **42.6248, 0.3134, 0.3131**.

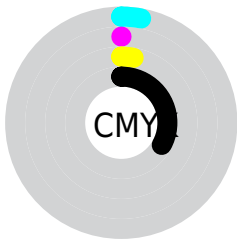
Distribution



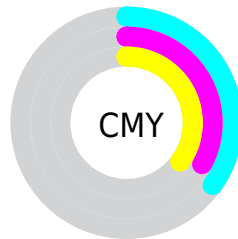
- Red (65%)
- Green (67%)
- Blue (65%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9860, 0.3124, 0.3360 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 39.9860, 0.3124, 0.3360 by changing the saturation by 10% instead.


 39.9860, 0.3124,
0.3360


 39.9860, 0.3124,
0.3360

346.0646, 0.3126,
0.3324

 27.5276, 0.3124,
0.3369


 75.1422, 0.3125,
0.3347

 17.9699, 0.3123,
0.3382


 98.6088, 0.3125,
0.3342

 10.9284, 0.3122,
0.3398


126.5136, 0.3125,
0.3338

 6.0187, 0.3121,
0.3423

159.2410, 0.3125,
0.3334

 2.8564, 0.3118,
0.3461

197.1754, 0.3125,
0.3331

 1.0573, 0.3114,
0.3530

240.7012, 0.3126,

 0.0000, 0.0000,

0.3328

0.0000

290.2028, 0.3126,
0.3326

■ 39.9860, 0.3124,
0.3360

■ 39.9860, 0.3124,
0.3360

■ 37.6784, 0.3112,
0.3622

■ 42.6248, 0.3134,
0.3131

■ 35.6842, 0.3099,
0.3918

■ 45.6018, 0.3143,
0.2933

■ 33.9912, 0.3084,
0.4245

■ 48.9303, 0.3151,
0.2763

■ 32.5850, 0.3068,
0.4592

■ 52.6210, 0.3157,
0.2617

■ 31.4497, 0.3051,
0.4946

■ 56.6846, 0.3163,
0.2492

■ 30.5677, 0.3035,
0.5282

■ 57.6036, 0.3166,
0.2469

■ 29.9198, 0.3021,
0.5574

■ 29.4837, 0.3011,
0.5798

■ 29.2327, 0.3004,
0.5937

Harmonies

Analogous

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



39.9860, 0.3172, 0.3375



39.9860, 0.3124, 0.3360



39.9860, 0.3077, 0.3326

Triad

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



39.9860, 0.3124, 0.3360



39.9860, 0.3046, 0.3214



39.9860, 0.3212, 0.3297

Complementary

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



39.9860, 0.3124, 0.3360



38.8743, 0.3130, 0.3221

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.



39.9860, 0.3177, 0.3255



39.9860, 0.3124, 0.3360



39.9860, 0.3082, 0.3207

Square

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



39.9860, 0.3124, 0.3360



39.9860, 0.3032, 0.3241



39.9860, 0.3130, 0.3222



39.9860, 0.3223, 0.3338

Rectangle

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



39.9860, 0.3124, 0.3360



39.9860, 0.3053, 0.3297



39.9860, 0.3130, 0.3222



39.9860, 0.3202, 0.3283

Sweetspot

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



39.9877, 0.3124, 0.3360



72.4699, 0.3126, 0.3314



40.5034, 0.3169, 0.3358



16.1667, 0.3126, 0.3313



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.



39.9877, 0.3124, 0.3360



71.5585, 0.3124, 0.3364



40.0754, 0.3104, 0.3326



9.2460, 0.3123, 0.3380



21.9593, 0.3001, 0.5999



0.6112, 0.3004, 0.5997

Inverse Universe

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



38.8743, 0.3130, 0.3221



69.4689, 0.3130, 0.3218



38.7850, 0.3151, 0.3254



8.9167, 0.3131, 0.3201



8.7039, 0.3202, 0.1538



0.2425, 0.3205, 0.1539

Previews

White Background



This preview shows how the Yxy color 39.9860, 0.3124, 0.3360 looks on a white background.

Color Contrast Check

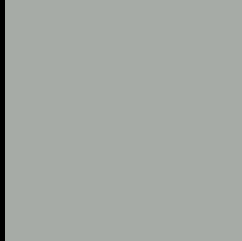
Large Text (above 18pt) WCAG AA × Fail

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 39.9860, 0.3124, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

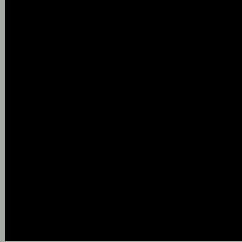
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

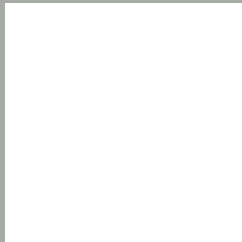
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9860, 0.3124, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 39.9860, 0.3124, 0.3360.



This preview shows how white text looks on a background with the Yxy color 39.9860, 0.3124, 0.3360.

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

39.9860, 0.3124, 0.3360

Protanopia

40.0912, 0.3207, 0.3346

Deuteranopia

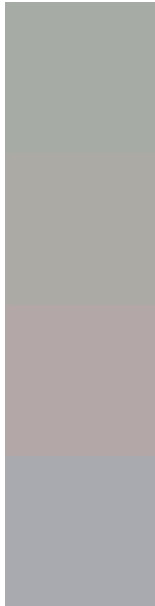
39.9057, 0.3319, 0.3251



Tritanopia

40.1883, 0.3019, 0.3112

Trichromacy



Original Color

39.9860, 0.3124, 0.3360

Protanomaly

40.1240, 0.3179, 0.3360

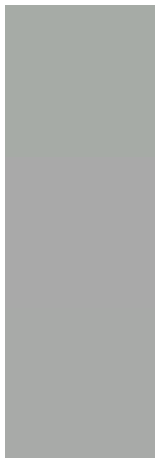
Deuteranomaly

40.0112, 0.3239, 0.3290

Tritanomaly

40.2089, 0.3059, 0.3207

Monochromacy



Original Color

39.9860, 0.3124, 0.3360

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.9014, 0.3126, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9860, 0.3124, 0.3360 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, 171, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 171, 166)  
}
```

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, 171, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 171, 166) }
```

Border

The CSS property to change the border of an element to Yxy 39.9860, 0.3124, 0.3360 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, 171, 166) }
```

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

```
.border{ border-color:rgb(166, 171, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 171, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 171, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 171, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 171,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9860, 0.3124, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 171, 166) }
```

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

```
.background{ background-color: rgb(166,  
171, 166) }
```

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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