

# Converting Colors

$Yxy(39.6088, 0.3179, 0.3360)$

Have a look what the booklet for  
Yxy(39.6088, 0.3179, 0.3360)  
contains.

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# Color

**Yxy(39.6023, 0.3179, 0.3360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAA9A4
RGB	170, 169, 164
RGB Percent	67%, 66%, 64%
CMY	0.3333, 0.3373, 0.3568
CMYK	0.00, 0.01, 0.04, 0.33
HSL	50°, 3%, 65%
HSV	50°, 4%, 67%
XYZ	37.4690, 39.6023, 40.7927
YIQ	168.7290, 2.2010, -1.3430

# Conversions

## Conversions Part 2

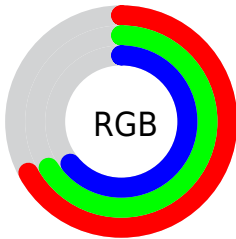
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 170, 164
Decimal	11184548
CIELab	69.19, -0.56, 2.69
CIElCh	69, 2.749, 101.745
Yxy	39.6023, 0.3179, 0.3360
Android (android.graphics.Color)	4289374628 (0xFFAAA9A4)
YUV	168.7290, -2.3314, 1.1147
Hunter-Lab	62.9304, -3.8486, 5.6183

# Details

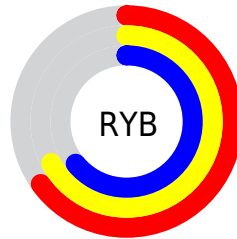
The Yxy color **39.6023, 0.3179, 0.3360** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.7137, 0.3075, 0.3219**, and the grayscale version is **39.5481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4333, 0.3167, 0.3344**, and **17.7440, 0.3200, 0.3388** is the 20% darker color. If you saturate the color by 10%, you get **37.9724, 0.3333, 0.3564**, and if you desaturate by 10%, it is **41.3413, 0.3036, 0.3165**.

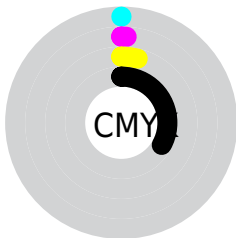
# Distribution



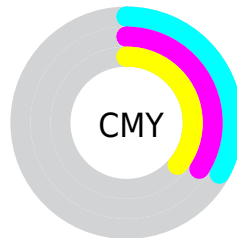
- Red (67%)
- Green (66%)
- Blue (64%)



- Red (65%)
- Yellow (67%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (33%)



- Cyan (33%)
- Magenta (34%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6023, 0.3179, 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 39.6023, 0.3179, 0.3360 by changing the saturation by 10% instead.





 39.6023, 0.3179,  
0.3360

 39.6023, 0.3179,  
0.3360


344.4445, 0.3152,  
0.3324

 27.2286, 0.3186,  
0.3369


 74.5575, 0.3169,  
0.3347

 17.7450, 0.3195,  
0.3382


 97.9078, 0.3166,  
0.3342

 10.7671, 0.3207,  
0.3398


125.6858, 0.3162,  
0.3338

 5.9104, 0.3225,  
0.3422

158.2759, 0.3160,  
0.3334

 2.7907, 0.3252,  
0.3460

196.0624, 0.3158,  
0.3331

 1.0235, 0.3302,  
0.3529

239.4297, 0.3156,

 0.0000, 0.0000,

0.3328

0.0000

288.7623, 0.3154,  
0.3326

■ 39.6023, 0.3179,  
0.3360

■ 39.6023, 0.3179,  
0.3360

■ 37.9724, 0.3333,  
0.3564

■ 41.3413, 0.3036,  
0.3165

■ 36.4430, 0.3495,  
0.3774

■ 43.1874, 0.2905,  
0.2983

■ 35.0123, 0.3663,  
0.3983

■ 45.1454, 0.2785,  
0.2813

■ 33.6763, 0.3833,  
0.4186

■ 47.2182, 0.2676,  
0.2656

■ 32.4311, 0.3997,  
0.4372

■ 49.4086, 0.2578,  
0.2513

■ 31.2719, 0.4151,  
0.4533

■ 50.9894, 0.2549,  
0.2488

■ 30.1936, 0.4286,  
0.4658

■ 52.2148, 0.2554,  
0.2523

■ 29.1906, 0.4397,  
0.4741

■ 53.4648, 0.2558,  
0.2557

■ 28.2558, 0.4480,  
0.4780

■ 54.7395, 0.2563,  
0.2592

# Harmonies

## Analogous

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



39.6023, 0.3202, 0.3346



39.6023, 0.3179, 0.3360



39.6023, 0.3142, 0.3356

# Triad

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



39.6023, 0.3179, 0.3360



39.6023, 0.3050, 0.3263



39.6023, 0.3153, 0.3248

# Complementary

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



39.6023, 0.3179, 0.3360



37.7137, 0.3075, 0.3219

# 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.



39.6023, 0.3112, 0.3226



39.6023, 0.3179, 0.3360



39.6023, 0.3053, 0.3234

# Square

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



39.6023, 0.3179, 0.3360



39.6023, 0.3067, 0.3299



39.6023, 0.3075, 0.3221



39.6023, 0.3187, 0.3281



# Rectangle

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



39.6023, 0.3179, 0.3360



39.6023, 0.3114, 0.3342



39.6023, 0.3075, 0.3221



39.6023, 0.3140, 0.3239

# Sweetspot

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



39.6040, 0.3179, 0.3360



72.6178, 0.3142, 0.3310



37.8209, 0.3174, 0.3275



16.1979, 0.3141, 0.3309



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.



39.6040, 0.3179, 0.3360



71.6789, 0.3187, 0.3371



39.7730, 0.3161, 0.3375



8.7239, 0.3195, 0.3382



20.4264, 0.4520, 0.4793



0.5523, 0.4396, 0.4892

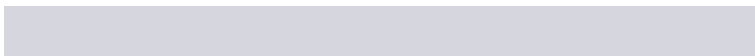


# Inverse Universe

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



37.7137, 0.3075, 0.3219



67.7430, 0.3067, 0.3208



37.5525, 0.3093, 0.3205



8.1790, 0.3058, 0.3196



2.8304, 0.1547, 0.0770



0.1268, 0.1689, 0.1280



# Previews

## White Background



This preview shows how the Yxy color 39.6023, 0.3179, 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 39.6023, 0.3179, 0.3360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

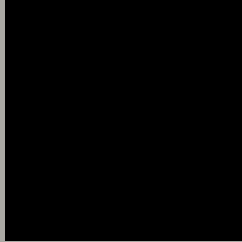
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

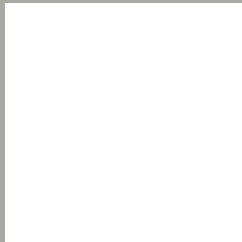
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.6023, 0.3179, 0.3360**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.6023, 0.3179, 0.3360.



This preview shows how white text looks on a background with the Yxy color 39.6023, 0.3179, 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

39.6023, 0.3179, 0.3360

### Protanopia

39.5338, 0.3216, 0.3360

### Deuteranopia

39.3501, 0.3329, 0.3264



## Tritanopia

39.7034, 0.3063, 0.3113

# Trichromacy



## Original Color

39.6023, 0.3179, 0.3360

## Protanomaly

39.4203, 0.3207, 0.3360

## Deuteranomaly

39.3302, 0.3269, 0.3290

## Tritanomaly

39.7192, 0.3104, 0.3207

# Monochromacy



## Original Color

39.6023, 0.3179, 0.3360

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

39.6010, 0.3144, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6023, 0.3179, 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(170, 169, 164)` looks like.

```
.text, #text, p{  
    color:rgb(170, 169, 164)  
}
```

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(170, 169, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 169, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6023, 0.3179, 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(170, 169, 164) }
```

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

```
.border{ border-color:rgb(170, 169, 164) }
```

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

Here you see how a box with a 4 pixel rgb(170, 169, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 169, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 169, 164);  
box-shadow:4px 4px 4px 4px rgb(170, 169,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6023, 0.3179, 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(170, 169, 164) }
```

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

```
.background{ background-color: rgb(170,  
169, 164) }
```

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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