

Converting Colors

$Y_{xy}(39.7699, 0.3058, 0.3248)$

Have a look what the booklet for
Yxy(39.7699, 0.3058, 0.3248)
contains.

Yxy(39.7659, 0.3057, 0.3248)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.7659, 0.3057, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	A5AAAD
RGB	165, 170, 173
RGB Percent	65%, 67%, 68%
CMY	0.3531, 0.3333, 0.3216
CMYK	0.05, 0.02, 0.00, 0.32
HSL	202°, 5%, 66%
HSV	202°, 5%, 68%
XYZ	37.4274, 39.7659, 45.2386
YIQ	168.8470, -3.9430, -0.1270

Conversions

Conversions Part 2

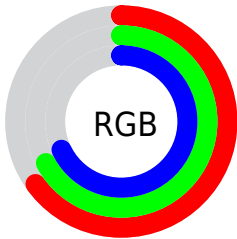
Format	Color
R _Y B	165, 168, 173
Decimal	10857133
CIE Lab	69.30, -1.20, -2.16
CIE LCh	69, 2.475, 241.001
Yxy	39.7659, 0.3057, 0.3248
Android (android.graphics.Color)	4289047213 (0xFFA5AAAD)
YUV	168.8470, 2.0474, -3.3738
Hunter-Lab	63.0602, -4.4122, 1.6082

Details

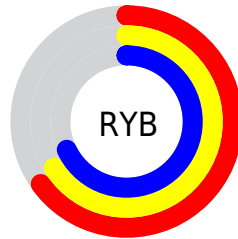
The Yxy color **39.7659, 0.3057, 0.3248** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5824, 0.3200, 0.3332**, and the grayscale version is **39.5855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6675, 0.3073, 0.3258**, and **17.8481, 0.3030, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **35.6891, 0.2904, 0.3151**, and if you desaturate by 10%, it is **44.2145, 0.3207, 0.3336**.

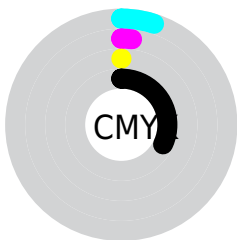
Distribution



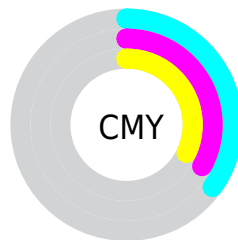
- Red (65%)
- Green (67%)
- Blue (68%)



- Red (65%)
- Yellow (66%)
- Blue (68%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (32%)





- Cyan (35%)
- Magenta (33%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7659, 0.3057, 0.3248 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 39.7659, 0.3057, 0.3248 by changing the saturation by 10% instead.

 39.7659, 0.3057,
0.3248


 39.7659, 0.3057,
0.3248


345.1359, 0.3093,
0.3270

 27.3561, 0.3048,
0.3242


 74.8069, 0.3070,
0.3256

 17.8408, 0.3036,
0.3235


 98.2069, 0.3075,
0.3259

 10.8358, 0.3019,
0.3225


126.0390, 0.3079,
0.3262

 5.9565, 0.2995,
0.3210

158.6877, 0.3083,
0.3264

 2.8187, 0.2958,
0.3187

196.5373, 0.3086,
0.3265

 1.0378, 0.2893,
0.3146

239.9723, 0.3089,

 0.0000, 0.0000,

0.3267

0.0000

289.3770, 0.3091,
0.3269

■ 39.7659, 0.3057,
0.3248

■ 39.7659, 0.3057,
0.3248

■ 35.6891, 0.2904,
0.3151

■ 44.2145, 0.3207,
0.3336

■ 31.9672, 0.2750,
0.3043

■ 49.0408, 0.3352,
0.3414

■ 28.5898, 0.2599,
0.2926

■ 54.2572, 0.3490,
0.3483

■ 25.5434, 0.2453,
0.2801

■ 59.8735, 0.3622,
0.3544

■ 22.8140, 0.2316,
0.2668

■ 65.8997, 0.3747,
0.3598

■ 20.3859, 0.2192,
0.2530

■ 69.6419, 0.3755,
0.3659

■ 18.2420, 0.2084,
0.2388

■ 72.8448, 0.3734,
0.3723

■ 16.3625, 0.1997,
0.2247

■ 76.1759, 0.3714,
0.3786

■ 14.7241, 0.1930,
0.2107

■ 79.6366, 0.3694,
0.3848

Harmonies

Analogous

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



39.7659, 0.3061, 0.3277



39.7659, 0.3057, 0.3248



39.7659, 0.3072, 0.3230

Triad

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



39.7659, 0.3057, 0.3248



39.7659, 0.3172, 0.3270



39.7659, 0.3153, 0.3352

Complementary

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



39.7659, 0.3057, 0.3248



39.5824, 0.3200, 0.3332

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.



39.7659, 0.3183, 0.3350



39.7659, 0.3057, 0.3248



39.7659, 0.3194, 0.3303

Square

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



39.7659, 0.3057, 0.3248



39.7659, 0.3138, 0.3244



39.7659, 0.3198, 0.3332



39.7659, 0.3117, 0.3338

Rectangle

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



39.7659, 0.3057, 0.3248



39.7659, 0.3090, 0.3228



39.7659, 0.3198, 0.3332



39.7659, 0.3164, 0.3354

Sweetspot

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



39.7676, 0.3057, 0.3248



74.0370, 0.3112, 0.3281



40.7061, 0.3098, 0.3361



16.0996, 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.



39.7676, 0.3057, 0.3248



70.1182, 0.3035, 0.3234



38.2941, 0.3058, 0.3192



8.8269, 0.3029, 0.3231



10.3375, 0.1902, 0.2048



0.3876, 0.2019, 0.2468

Inverse Universe

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



38.6813, 0.3158, 0.3220



67.6039, 0.3168, 0.3198



41.0775, 0.3195, 0.3386



8.4891, 0.3171, 0.3192



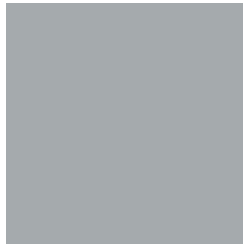
7.3466, 0.4399, 0.2197



0.2145, 0.3955, 0.1952

Previews

White Background



This preview shows how the Yxy color 39.7659, 0.3057, 0.3248 looks on a white background.

Color Contrast Check

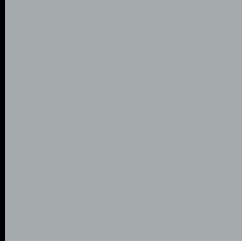
Large Text (above 18pt) WCAG AA × Fail

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 39.7659, 0.3057, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

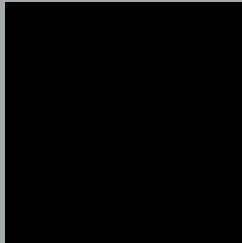
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7659, 0.3057, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 39.7659, 0.3057, 0.3248.



This preview shows how white text looks on a background with the Yxy color 39.7659, 0.3057, 0.3248.

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

39.7659, 0.3057, 0.3248

Protanopia

39.6417, 0.3121, 0.3235

Deuteranopia

39.6742, 0.3218, 0.3157



Tritanopia

39.8603, 0.2993, 0.3111

Trichromacy



Original Color

39.7659, 0.3057, 0.3248

Protanomaly

39.7895, 0.3102, 0.3248

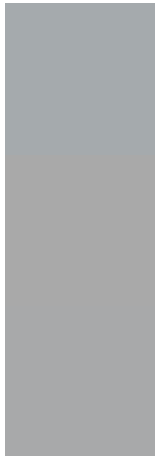
Deuteranomaly

39.5585, 0.3151, 0.3181

Tritanomaly

39.7376, 0.3017, 0.3151

Monochromacy



Original Color

39.7659, 0.3057, 0.3248

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 39.7659, 0.3057, 0.3248 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(165, 170, 173)` looks like.

```
.text, #text, p{  
    color:rgb(165, 170, 173)  
}
```

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(165, 170, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 170, 173) }
```

Border

The CSS property to change the border of an element to Yxy 39.7659, 0.3057, 0.3248 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(165, 170, 173) }
```

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

```
.border{ border-color:rgb(165, 170, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 170, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 170, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 170, 173);  
box-shadow:4px 4px 4px 4px rgb(165, 170,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7659, 0.3057, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 170, 173) }
```

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

```
.background{ background-color: rgb(165,  
170, 173) }
```

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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