

Converting Colors

$Yxy(37.8837, 0.3196, 0.3196)$

Have a look what the booklet for
Yxy(37.8837, 0.3196, 0.3196)
contains.

Yxy(37.9353, 0.3198, 0.3194)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9353, 0.3198, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	B0A2A9
RGB	176, 162, 169
RGB Percent	69%, 64%, 66%
CMY	0.3099, 0.3647, 0.3373
CMYK	0.00, 0.08, 0.04, 0.31
HSL	330°, 8%, 66%
HSV	330°, 8%, 69%
XYZ	37.9828, 37.9353, 42.8524
YIQ	166.9840, 6.0970, 5.1450

Conversions

Conversions Part 2

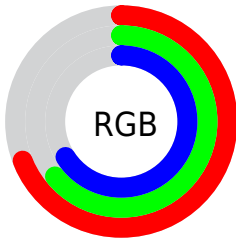
Format	Color
RYB	176, 162, 169
Decimal	11575977
CIELab	67.97, 6.33, -1.79
CIElCh	68, 6.582, 344.257
Yxy	37.9353, 0.3198, 0.3194
Android (android.graphics.Color)	4289766057 (0xFFB0A2A9)
YUV	166.9840, 0.9939, 7.9070
Hunter-Lab	61.5916, 2.2934, 1.8631

Details

The Yxy color **37.9353, 0.3198, 0.3194** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.5916, 0.3062, 0.3388**, and the grayscale version is **38.6279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1633, 0.3188, 0.3216**, and **16.6472, 0.3214, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **31.8445, 0.3303, 0.3067**, and if you desaturate by 10%, it is **44.9194, 0.3110, 0.3314**.

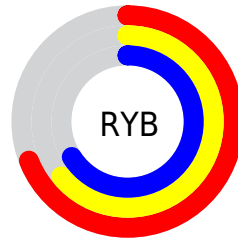
Distribution



Red (69%)

Green (64%)

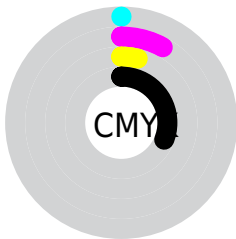
Blue (66%)



Red (69%)

Yellow (64%)

Blue (66%)

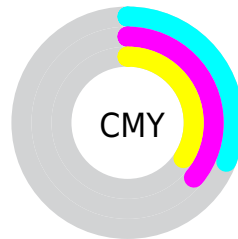


Cyan (0%)

Magenta (8%)

Yellow (4%)

Black (31%)



Cyan (31%)


Magenta (36%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9353, 0.3198, 0.3194 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 37.9353, 0.3198, 0.3194 by changing the saturation by 10% instead.


 37.9353, 0.3198,
0.3194


 37.9353, 0.3198,
0.3194


337.3423, 0.3162,
0.3243

 25.9325, 0.3207,
0.3181


 72.0090, 0.3184,
0.3212

 16.7731, 0.3220,
0.3164


 94.8486, 0.3180,
0.3219

 10.0729, 0.3237,
0.3142


122.0693, 0.3175,
0.3225

 5.4473, 0.3261,
0.3109

154.0554, 0.3172,
0.3230

 2.5120, 0.3300,
0.3057

191.1914, 0.3169,
0.3234

 0.8826, 0.3369,
0.2965

233.8616, 0.3166,

 0.0000, 0.0000,


0.3237

0.0000

282.4505, 0.3164,
0.3241

 37.9353, 0.3198,
0.3194


 37.9353, 0.3198,
0.3194


 31.8445, 0.3303,
0.3067


 44.9194, 0.3110,
0.3314


 26.6058, 0.3430,
0.2936


 52.8259, 0.3038,
0.3426


 22.1819, 0.3580,
0.2804

 61.6889, 0.2978,
0.3530

 18.5313, 0.3755,
0.2678

 71.5392, 0.2928,
0.3625

 15.6082, 0.3956,
0.2567

 82.4061, 0.2887,
0.3712

■ 13.3623, 0.4180,
0.2482

■ 86.0127, 0.2845,
0.3662

■ 11.7367, 0.4419,
0.2436

■ 86.4967, 0.2800,
0.3560

■ 10.6652, 0.4664,
0.2438

■ 87.0058, 0.2756,
0.3460

■ 10.0409, 0.4903,
0.2490

■ 87.5403, 0.2713,
0.3362

Harmonies

Analogous

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



37.9353, 0.3098, 0.3139



37.9353, 0.3198, 0.3194



37.9353, 0.3279, 0.3274

Triad

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



37.9353, 0.3198, 0.3194



37.9353, 0.3246, 0.3462



37.9353, 0.2939, 0.3216

Complementary

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



37.9353, 0.3198, 0.3194



41.5916, 0.3062, 0.3388

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.



37.9353, 0.2977, 0.3304



37.9353, 0.3198, 0.3194



37.9353, 0.3154, 0.3448

Square

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



37.9353, 0.3198, 0.3194



37.9353, 0.3307, 0.3429



37.9353, 0.3055, 0.3389



37.9353, 0.2950, 0.3150

Rectangle

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



37.9353, 0.3198, 0.3194



37.9353, 0.3312, 0.3332



37.9353, 0.3055, 0.3389



37.9353, 0.2946, 0.3244

Sweetspot

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



37.9370, 0.3198, 0.3194



76.0995, 0.3144, 0.3266



37.4131, 0.3071, 0.3095



16.5228, 0.3143, 0.3267



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.



37.9370, 0.3198, 0.3194



66.2112, 0.3220, 0.3166



37.6817, 0.3261, 0.3290



8.5737, 0.3212, 0.3177



7.3004, 0.4930, 0.2490



0.2415, 0.4328, 0.2158

Inverse Universe

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



37.9370, 0.3198, 0.3194



66.2112, 0.3220, 0.3166



41.8610, 0.3007, 0.3290



8.5737, 0.3212, 0.3177



7.3004, 0.4930, 0.2490



0.2415, 0.4328, 0.2158

Previews

White Background



This preview shows how the Yxy color 37.9353, 0.3198, 0.3194 looks on a white background.

Color Contrast Check

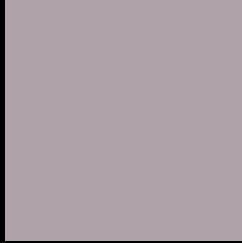
Large Text (above 18pt) WCAG AA × Fail

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 37.9353, 0.3198, 0.3194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

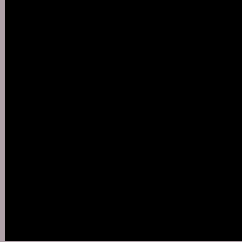
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

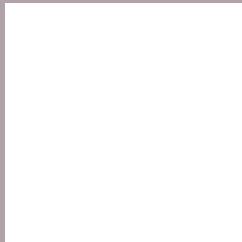
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.9353, 0.3198, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 37.9353, 0.3198, 0.3194.



This preview shows how white text looks on a background with the Yxy color 37.9353, 0.3198, 0.3194.

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

37.9353, 0.3198, 0.3194

Protanopia

38.0660, 0.3094, 0.3206

Deuteranopia

38.0576, 0.3237, 0.3181



Tritanopia

37.8928, 0.3164, 0.3113

Trichromacy



Original Color

37.9353, 0.3198, 0.3194

Protanomaly

37.9992, 0.3131, 0.3206

Deuteranomaly

37.9380, 0.3228, 0.3181

Tritanomaly

37.8154, 0.3182, 0.3140

Monochromacy



Original Color

37.9353, 0.3198, 0.3194

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.2835, 0.3148, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9353, 0.3198, 0.3194 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(176, 162, 169)` looks like.

```
.text, #text, p{  
    color:rgb(176, 162, 169)  
}
```

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(176, 162, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 162, 169) }
```

Border

The CSS property to change the border of an element to Yxy 37.9353, 0.3198, 0.3194 is called "border". The border property can be set on classes, ids or directly on the HTML element.

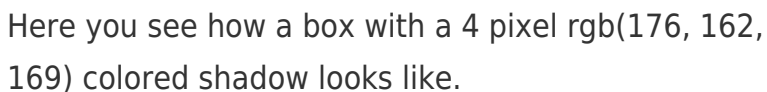
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 162, 169) }
```

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

```
.border{ border-color:rgb(176, 162, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 162, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 162, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 162, 169); box-shadow:4px 4px 4px 4px rgb(176, 162, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9353, 0.3198, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 162, 169) }
```

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

```
.background{ background-color: rgb(176,  
162, 169) }
```

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