

Converting Colors

$Y_{xy}(37.8239, 0.3298, 0.3360)$

Have a look what the booklet for
Yxy(37.8239, 0.3298, 0.3360)
contains.

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Color

Yxy(37.8931, 0.3296, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	B0A39E
RGB	176, 163, 158
RGB Percent	69%, 64%, 62%
CMY	0.3099, 0.3607, 0.3803
CMYK	0.00, 0.07, 0.10, 0.31
HSL	17°, 10%, 65%
HSV	17°, 10%, 69%
XYZ	37.1713, 37.8931, 37.7127
YIQ	166.3170, 9.3530, 1.2010

Conversions

Conversions Part 2

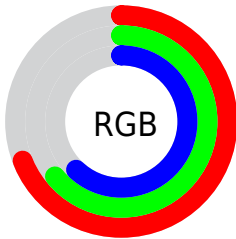
Format	Color
RYB	176, 165, 158
Decimal	11576222
CIELab	67.94, 3.83, 4.27
CIELCh	68, 5.735, 48.140
Yxy	37.8931, 0.3296, 0.3360
Android (android.graphics.Color)	4289766302 (0xFFB0A39E)
YUV	166.3170, -4.1003, 8.4920
Hunter-Lab	61.5574, 0.0616, 6.7666

Details

The Yxy color **37.8931, 0.3296, 0.3360** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5291, 0.2972, 0.3219**, and the grayscale version is **38.3117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1027, 0.3263, 0.3344**, and **16.6414, 0.3341, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **33.0414, 0.3493, 0.3433**, and if you desaturate by 10%, it is **43.2888, 0.3130, 0.3291**.

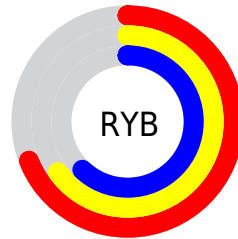
Distribution



Red (69%)

Green (64%)

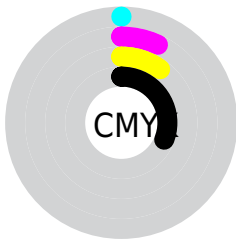
Blue (62%)



Red (69%)

Yellow (65%)

Blue (62%)

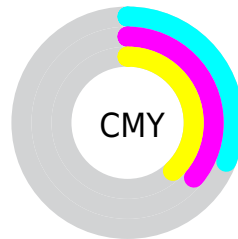


Cyan (0%)

Magenta (7%)

Yellow (10%)

Black (31%)



Cyan (31%)


Magenta (36%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8931, 0.3296, 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 37.8931, 0.3296, 0.3360 by changing the saturation by 10% instead.


 37.8931, 0.3296,
0.3360


 37.8931, 0.3296,
0.3360


337.1612, 0.3208,
0.3324

 25.8997, 0.3319,
0.3369


 71.9443, 0.3263,
0.3347

 16.7486, 0.3349,
0.3381


 94.7708, 0.3251,
0.3342

 10.0554, 0.3391,
0.3397


121.9773, 0.3241,
0.3338

 5.4357, 0.3452,
0.3420

153.9480, 0.3233,
0.3334

 2.5051, 0.3548,
0.3455

191.0673, 0.3225,
0.3331

 0.8792, 0.3774,
0.3560

233.7197, 0.3219,

 0.0000, 0.0000,

0.3329

0.0000

282.2895, 0.3213,
0.3326

■ 37.8931, 0.3296,
0.3360

■ 37.8931, 0.3296,
0.3360

■ 33.0414, 0.3493,
0.3433

■ 43.2888, 0.3130,
0.3291

■ 28.7115, 0.3727,
0.3509

■ 49.2396, 0.2991,
0.3228

■ 24.8874, 0.4001,
0.3584

■ 55.7628, 0.2874,
0.3170

■ 21.5501, 0.4317,
0.3654

■ 62.8733, 0.2775,
0.3117

■ 18.6793, 0.4669,
0.3709

■ 70.5854, 0.2690,
0.3068

■ 16.2534, 0.5044,
0.3741

■ 78.3458, 0.2661,
0.3116

■ 14.2490, 0.5415,
0.3736

■ 86.0647, 0.2677,
0.3256

■ 12.6399, 0.5745,
0.3688

■ 87.9678, 0.2681,
0.3289

■ 11.4127, 0.6009,
0.3611

Harmonies

Analogous

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



37.8931, 0.3267, 0.3286



37.8931, 0.3296, 0.3360



37.8931, 0.3279, 0.3417

Triad

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



37.8931, 0.3296, 0.3360



37.8931, 0.3054, 0.3368



37.8931, 0.3032, 0.3144

Complementary

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



37.8931, 0.3296, 0.3360



39.5291, 0.2972, 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.



37.8931, 0.2977, 0.3163



37.8931, 0.3296, 0.3360



37.8931, 0.2990, 0.3292

Square

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



37.8931, 0.3296, 0.3360



37.8931, 0.3139, 0.3422



37.8931, 0.2961, 0.3217



37.8931, 0.3114, 0.3163

Rectangle

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



37.8931, 0.3296, 0.3360



37.8931, 0.3245, 0.3437



37.8931, 0.2961, 0.3217



37.8931, 0.3010, 0.3146

Sweetspot

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



37.8948, 0.3296, 0.3360



75.6421, 0.3175, 0.3310



36.6371, 0.3182, 0.3109



16.2211, 0.3187, 0.3316



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.



37.8948, 0.3296, 0.3360



66.9017, 0.3333, 0.3374



41.1226, 0.3283, 0.3480



8.8766, 0.3280, 0.3354



8.4624, 0.5990, 0.3626



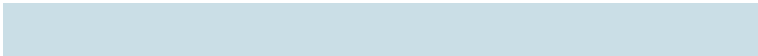
0.3668, 0.5435, 0.4067

Inverse Universe

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



39.5291, 0.2972, 0.3219



70.4010, 0.2942, 0.3204



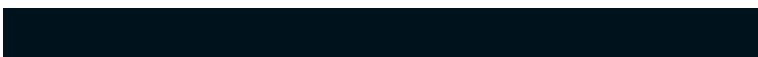
36.3211, 0.2971, 0.3092



9.2247, 0.2986, 0.3225



13.5646, 0.1993, 0.2375



0.5187, 0.2072, 0.2660

Previews

White Background



This preview shows how the Yxy color 37.8931, 0.3296, 0.3360 looks on a white background.

Color Contrast Check

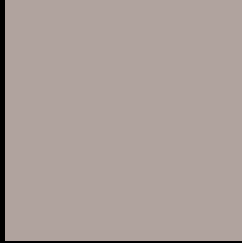
Large Text (above 18pt) WCAG AA × Fail

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 37.8931, 0.3296, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

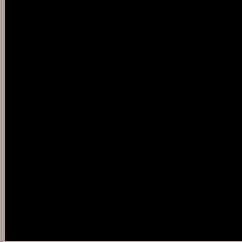
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8931, 0.3296, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 37.8931, 0.3296, 0.3360.



This preview shows how white text looks on a background with the Yxy color 37.8931, 0.3296, 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

37.8931, 0.3296, 0.3360

Protanopia

37.9595, 0.3227, 0.3375

Deuteranopia

37.8352, 0.3371, 0.3304



Tritanopia

37.9718, 0.3182, 0.3127

Trichromacy



Original Color

37.8931, 0.3296, 0.3360

Protanomaly

37.8248, 0.3247, 0.3361

Deuteranomaly

37.8167, 0.3339, 0.3318

Tritanomaly

38.0149, 0.3217, 0.3208

Monochromacy



Original Color

37.8931, 0.3296, 0.3360

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.1007, 0.3191, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8931, 0.3296, 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(176, 163, 158)` looks like.

```
.text, #text, p{  
    color:rgb(176, 163, 158)  
}
```

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, 163, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 163, 158) }
```

Border

The CSS property to change the border of an element to Yxy 37.8931, 0.3296, 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(176, 163, 158) }
```

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

```
.border{ border-color:rgb(176, 163, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 163, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 163, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 163, 158);  
box-shadow:4px 4px 4px 4px rgb(176, 163,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8931, 0.3296, 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(176, 163, 158) }
```

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

```
.background{ background-color: rgb(176,  
163, 158) }
```

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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