

Converting Colors

$Yxy(37.8396, 0.3360, 0.3728)$

Have a look what the booklet for
Yxy(37.8396, 0.3360, 0.3728)
contains.

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Color

Yxy(37.8396, 0.3360, 0.3728)

Conversions

Conversions Part 1

Format	Color
Hex	A5A88A
RGB	165, 168, 138
RGB Percent	65%, 66%, 54%
CMY	0.3530, 0.3411, 0.4588
CMYK	0.02, 0.00, 0.18, 0.34
HSL	66°, 15%, 60%
HSV	66°, 18%, 66%
XYZ	34.1044, 37.8396, 29.5571
YIQ	163.6830, 7.8420, -9.9660

Conversions

Conversions Part 2

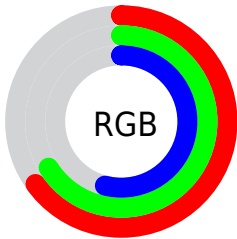
Format	Color
RYB	138, 168, 141
Decimal	10856586
CIELab	67.90, -6.35, 15.16
CIELCh	68, 16.436, 112.722
Yxy	37.8396, 0.3360, 0.3728
Android (android.graphics.Color)	4289046666 (0xFFA5A88A)
YUV	163.6830, -12.6617, 1.1550
Hunter-Lab	61.5139, -8.6859, 14.5712

Details

The Yxy color **37.8396, 0.3360, 0.3728** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.6767, 0.2870, 0.2820**, and the grayscale version is **37.0242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7968, 0.3312, 0.3635**, and **16.7061, 0.3430, 0.3867** is the 20% darker color. If you saturate the color by 10%, you get **37.2106, 0.3491, 0.3981**, and if you desaturate by 10%, it is **38.5497, 0.3228, 0.3479**.

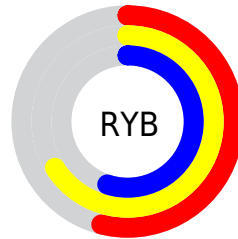
Distribution



Red (65%)

Green (66%)

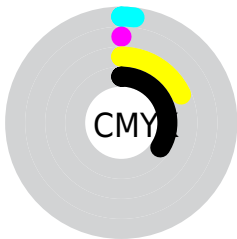
Blue (54%)



Red (54%)

Yellow (66%)

Blue (55%)

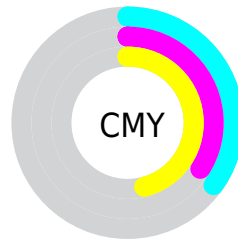


Cyan (2%)

Magenta (0%)

Yellow (18%)

Black (34%)



Cyan (35%)


Magenta (34%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8396, 0.3360, 0.3728 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 37.8396, 0.3360, 0.3728 by changing the saturation by 10% instead.


 37.8396, 0.3360,
0.3728

 37.8396, 0.3360,
0.3728


336.9314, 0.3241,
0.3498


 25.8582, 0.3390,
0.3789


 71.8622, 0.3316,
0.3642

 16.7176, 0.3429,
0.3869


 94.6723, 0.3300,
0.3611

 10.0334, 0.3481,
0.3980


 121.8606, 0.3287,
0.3584

 5.4211, 0.3553,
0.4141

153.8117, 0.3275,
0.3562

 2.4964, 0.3658,
0.4397

190.9100, 0.3265,
0.3543

 0.8748, 0.4361,
0.5639

233.5397, 0.3256,

 0.0000, 0.0000,

0.3526

0.0000

282.0854, 0.3248,
0.3511

■ 37.8396, 0.3360,
0.3728

■ 37.8396, 0.3360,
0.3728

■ 37.2106, 0.3491,
0.3981

■ 38.5497, 0.3228,
0.3479

■ 36.6542, 0.3618,
0.4231

■ 39.3390, 0.3100,
0.3240

■ 36.1683, 0.3735,
0.4469

■ 40.2123, 0.2977,
0.3014

■ 35.7488, 0.3836,
0.4685

■ 41.1725, 0.2862,
0.2804

■ 35.3913, 0.3917,
0.4869

■ 42.2223, 0.2754,
0.2611

■ 35.0908, 0.3975,
0.5014

■ 43.3644, 0.2655,
0.2436

■ 34.8412, 0.4007,
0.5116

■ 44.5610, 0.2568,
0.2282

■ 34.6328, 0.4017,
0.5180

■ 44.7616, 0.2580,
0.2285

■ 34.5899, 0.4018,
0.5192

■ 44.9647, 0.2592,
0.2288

Harmonies

Analogous

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



37.8396, 0.3545, 0.3666



37.8396, 0.3360, 0.3728



37.8396, 0.3117, 0.3663

Triad

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



37.8396, 0.3360, 0.3728



37.8396, 0.2660, 0.3043



37.8396, 0.3368, 0.3104

Complementary

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



37.8396, 0.3360, 0.3728



26.6767, 0.2870, 0.2820

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.



37.8396, 0.3122, 0.2953



37.8396, 0.3360, 0.3728



37.8396, 0.2720, 0.2912

Square

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



37.8396, 0.3360, 0.3728



37.8396, 0.2719, 0.3253



37.8396, 0.2886, 0.2882



37.8396, 0.3552, 0.3304

Rectangle

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



37.8396, 0.3360, 0.3728



37.8396, 0.2956, 0.3553



37.8396, 0.2886, 0.2882



37.8396, 0.3289, 0.3046

Sweetspot

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



37.8413, 0.3360, 0.3728



70.3252, 0.3193, 0.3412



29.2161, 0.3456, 0.3336



15.3074, 0.3201, 0.3428



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.8413, 0.3360, 0.3728



68.2394, 0.3407, 0.3817



36.3299, 0.3216, 0.3748



8.7347, 0.3247, 0.3514



26.1302, 0.4020, 0.5190



0.6464, 0.4081, 0.5142

Inverse Universe

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



26.6767, 0.2870, 0.2820



44.5660, 0.2812, 0.2716



28.0787, 0.3022, 0.2841



7.3355, 0.3001, 0.3058



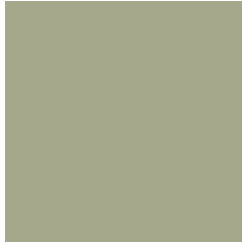
2.2362, 0.1542, 0.0623



0.0653, 0.1718, 0.0720

Previews

White Background



This preview shows how the Yxy color 37.8396, 0.3360, 0.3728 looks on a white background.

Color Contrast Check

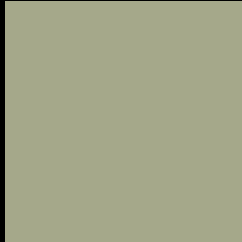
Large Text (above 18pt) WCAG AA × Fail

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 37.8396, 0.3360, 0.3728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

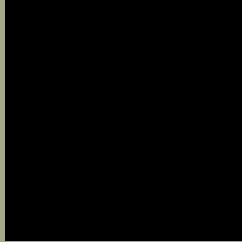
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

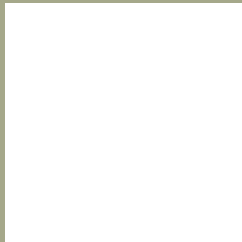
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8396, 0.3360, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 37.8396, 0.3360, 0.3728.



This preview shows how white text looks on a background with the Yxy color 37.8396, 0.3360, 0.3728.

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

37.8396, 0.3360, 0.3728

Protanopia

37.8304, 0.3476, 0.3688

Deuteranopia

37.6369, 0.3618, 0.3549



Tritanopia

37.8750, 0.3080, 0.3110

Trichromacy



Original Color

37.8396, 0.3360, 0.3728

Protanomaly

37.7365, 0.3433, 0.3707

Deuteranomaly

37.5285, 0.3526, 0.3612

Tritanomaly

37.8437, 0.3181, 0.3333

Monochromacy



Original Color

37.8396, 0.3360, 0.3728

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.1693, 0.3205, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8396, 0.3360, 0.3728 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, 168, 138)` looks like.

```
.text, #text, p{  
    color:rgb(165, 168, 138)  
}
```

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, 168, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 168, 138) }
```

Border

The CSS property to change the border of an element to Yxy 37.8396, 0.3360, 0.3728 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, 168, 138) }
```

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

```
.border{ border-color:rgb(165, 168, 138) }
```

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

Here you see how a box with a 4 pixel rgb(165, 168, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 168, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 168, 138);  
box-shadow:4px 4px 4px 4px rgb(165, 168,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8396, 0.3360, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 168, 138) }
```

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

```
.background{ background-color: rgb(165,  
168, 138) }
```

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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