

Converting Colors

$Yxy(38.9183, 0.3214, 0.3432)$

Have a look what the booklet for
Yxy(38.9183, 0.3214, 0.3432)
contains.

Yxy(38.7987, 0.3213, 0.3432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.7987, 0.3213, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	A8A89E
RGB	168, 168, 158
RGB Percent	66%, 66%, 62%
CMY	0.3412, 0.3412, 0.3803
CMYK	0.00, 0.00, 0.06, 0.34
HSL	60°, 5%, 64%
HSV	60°, 6%, 66%
XYZ	36.3229, 38.7987, 37.9282
YIQ	166.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

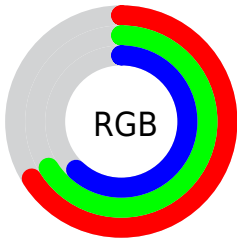
Format	Color
RYB	158, 168, 158
Decimal	11053214
CIELab	68.61, -1.84, 5.15
CIElCh	69, 5.466, 109.624
Yxy	38.7987, 0.3213, 0.3432
Android (android.graphics.Color)	4289243294 (0xFFA8A89E)
YUV	166.8600, -4.3680, 0.9998
Hunter-Lab	62.2886, -4.9148, 7.4997

Details

The Yxy color **38.7987, 0.3213, 0.3432** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.5573, 0.3039, 0.3144**, and the grayscale version is **38.5933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2674, 0.3193, 0.3399**, and **17.2653, 0.3236, 0.3470** is the 20% darker color. If you saturate the color by 10%, you get **38.2594, 0.3361, 0.3677**, and if you desaturate by 10%, it is **39.4205, 0.3070, 0.3195**.

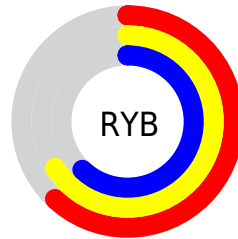
Distribution



Red (66%)

Green (66%)

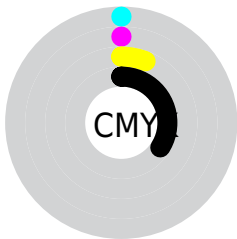
Blue (62%)



Red (62%)

Yellow (66%)

Blue (62%)

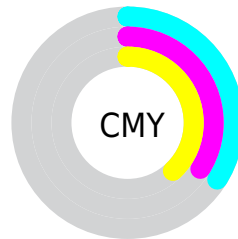


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (34%)



Cyan (34%)

Magenta (34%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7987, 0.3213, 0.3432 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 38.7987, 0.3213, 0.3432 by changing the saturation by 10% instead.

■ 38.7987, 0.3213,
0.3432

■ 38.7987, 0.3213,
0.3432

341.0339, 0.3169,
0.3359

■ 26.6032, 0.3224,
0.3451

■ 73.3307, 0.3197,
0.3405

■ 17.2754, 0.3239,
0.3476

■ 96.4360, 0.3191,
0.3395

■ 10.4310, 0.3260,
0.3511

123.9466, 0.3186,
0.3386

■ 5.6857, 0.3289,
0.3561

156.2469, 0.3181,
0.3379

■ 2.6549, 0.3335,
0.3641

193.7215, 0.3178,
0.3373

■ 0.9543, 0.3454,
0.3829

236.7545, 0.3174,

■ 0.0000, 0.0000,

0.3367

0.0000

285.7305, 0.3171,
0.3363

■ 38.7987, 0.3213,
0.3432

■ 38.7987, 0.3213,
0.3432

■ 38.2594, 0.3361,
0.3677

■ 39.4205, 0.3070,
0.3195

■ 37.7943, 0.3510,
0.3924

■ 40.1227, 0.2934,
0.2971

■ 37.4018, 0.3656,
0.4165

■ 40.9098, 0.2808,
0.2761

■ 37.0781, 0.3793,
0.4392

■ 41.7846, 0.2691,
0.2568

■ 36.8192, 0.3916,
0.4595

■ 42.7497, 0.2584,
0.2391

■ 36.6208, 0.4019,
0.4766

■ 43.5592, 0.2508,
0.2266

■ 36.4780, 0.4098,
0.4898

■ 43.5605, 0.2508,
0.2266

■ 36.3850, 0.4153,
0.4988

■ 43.5619, 0.2508,
0.2266

■ 36.3343, 0.4183,
0.5038

■ 43.5632, 0.2508,
0.2266

Harmonies

Analogous

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



38.7987, 0.3269, 0.3412



38.7987, 0.3213, 0.3432



38.7987, 0.3134, 0.3413

Triad

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



38.7987, 0.3213, 0.3432



38.7987, 0.2970, 0.3218



38.7987, 0.3199, 0.3221

Complementary

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



38.7987, 0.3213, 0.3432



34.5573, 0.3039, 0.3144

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.



38.7987, 0.3118, 0.3171



38.7987, 0.3213, 0.3432



38.7987, 0.2987, 0.3168

Square

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



38.7987, 0.3213, 0.3432



38.7987, 0.2995, 0.3288



38.7987, 0.3041, 0.3151



38.7987, 0.3261, 0.3290

Rectangle

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



38.7987, 0.3213, 0.3432



38.7987, 0.3080, 0.3381



38.7987, 0.3041, 0.3151



38.7987, 0.3173, 0.3202

Sweetspot

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



38.8004, 0.3213, 0.3432



70.8277, 0.3156, 0.3338



35.2531, 0.3225, 0.3290



15.4402, 0.3155, 0.3336



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.



38.8004, 0.3213, 0.3432



70.2818, 0.3230, 0.3461



38.2634, 0.3166, 0.3434



8.7972, 0.3235, 0.3468



27.4251, 0.4192, 0.5054



0.6673, 0.4192, 0.5053

Inverse Universe

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



34.5573, 0.3039, 0.3144



61.1235, 0.3020, 0.3113



35.0735, 0.3086, 0.3146



7.6043, 0.3016, 0.3106



2.1356, 0.1500, 0.0600



0.0520, 0.1502, 0.0601

Previews

White Background



This preview shows how the Yxy color 38.7987, 0.3213, 0.3432 looks on a white background.

Color Contrast Check

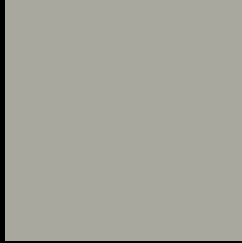
Large Text (above 18pt) WCAG AA × Fail

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 38.7987, 0.3213, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

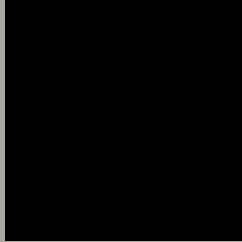
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7987, 0.3213, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 38.7987, 0.3213, 0.3432.



This preview shows how white text looks on a background with the Yxy color 38.7987, 0.3213, 0.3432.

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

38.7987, 0.3213, 0.3432

Protanopia

38.9560, 0.3271, 0.3431

Deuteranopia

38.7830, 0.3387, 0.3331



Tritanopia

38.7825, 0.3071, 0.3111

Trichromacy



Original Color

38.7987, 0.3213, 0.3432

Protanomaly

38.7297, 0.3251, 0.3431

Deuteranomaly

38.6378, 0.3315, 0.3359

Tritanomaly

38.7588, 0.3121, 0.3220

Monochromacy



Original Color

38.7987, 0.3213, 0.3432

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.5333, 0.3153, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7987, 0.3213, 0.3432 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(168, 168, 158)` looks like.

```
.text, #text, p{  
    color:rgb(168, 168, 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(168, 168, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 168, 158) }
```

Border

The CSS property to change the border of an element to Yxy 38.7987, 0.3213, 0.3432 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(168, 168, 158) }
```

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

```
.border{ border-color:rgb(168, 168, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 168, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 168, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 168, 158);  
box-shadow:4px 4px 4px 4px rgb(168, 168,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7987, 0.3213, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 168, 158) }
```

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

```
.background{ background-color: rgb(168,  
168, 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](#).

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