

Converting Colors

$Yxy(39.7289, 0.3211, 0.3428)$

Have a look what the booklet for
Yxy(39.7289, 0.3211, 0.3428)
contains.

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Color

Yxy(39.8336, 0.3212, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	AAAAA0
RGB	170, 170, 160
RGB Percent	67%, 67%, 63%
CMY	0.3335, 0.3333, 0.3726
CMYK	0.00, 0.00, 0.06, 0.33
HSL	60°, 6%, 65%
HSV	60°, 6%, 67%
XYZ	37.2910, 39.8336, 38.9745
YIQ	168.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

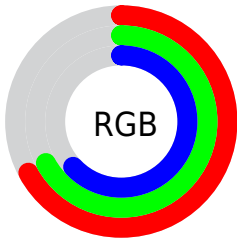
Format	Color
RYB	160, 170, 160
Decimal	11184800
CIELab	69.35, -1.85, 5.15
CIElCh	69, 5.475, 109.796
Yxy	39.8336, 0.3212, 0.3431
Android (android.graphics.Color)	4289374880 (0xFFAAAAA0)
YUV	168.8600, -4.3680, 0.9998
Hunter-Lab	63.1139, -4.9820, 7.5666

Details

The Yxy color **39.8336, 0.3212, 0.3431** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.5174, 0.3040, 0.3145**, and the grayscale version is **39.6225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7643, 0.3192, 0.3398**, and **17.9125, 0.3234, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **39.2712, 0.3359, 0.3676**, and if you desaturate by 10%, it is **40.4808, 0.3069, 0.3194**.

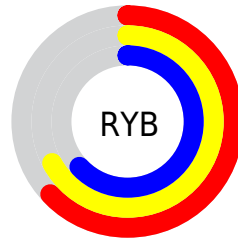
Distribution



Red (67%)

Green (67%)

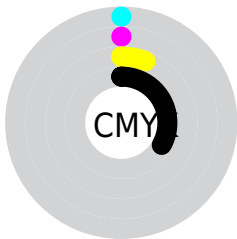
Blue (63%)



Red (63%)

Yellow (67%)

Blue (63%)

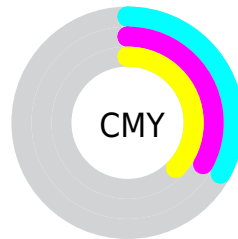


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8336, 0.3212, 0.3431 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 39.8336, 0.3212, 0.3431 by changing the saturation by 10% instead.

■ 39.8336, 0.3212,
0.3431

■ 39.8336, 0.3212,
0.3431

■ 345.4217, 0.3169,
0.3358

■ 27.4088, 0.3223,
0.3450

■ 74.9101, 0.3196,
0.3404

■ 17.8805, 0.3238,
0.3475

■ 98.3305, 0.3190,
0.3394

■ 10.8642, 0.3257,
0.3508

■ 126.1850, 0.3185,
0.3386

■ 5.9756, 0.3286,
0.3557

■ 158.8580, 0.3181,
0.3379

■ 2.8303, 0.3330,
0.3634

■ 196.7337, 0.3177,
0.3373

■ 1.0438, 0.3423,
0.3791

■ 240.1966, 0.3174,

■ 0.0000, 0.0000,

0.3367

0.0000

289.6312, 0.3171,
0.3363

■ 39.8336, 0.3212,
0.3431

■ 39.8336, 0.3212,
0.3431

■ 39.2712, 0.3359,
0.3676

■ 40.4808, 0.3069,
0.3194

■ 38.7852, 0.3508,
0.3923

■ 41.2108, 0.2934,
0.2970

■ 38.3738, 0.3653,
0.4165

■ 42.0282, 0.2808,
0.2760

■ 38.0332, 0.3790,
0.4393

■ 42.9357, 0.2692,
0.2567

■ 37.7594, 0.3912,
0.4597

■ 43.9362, 0.2585,
0.2390

■ 37.5477, 0.4014,
0.4769

■ 44.5732, 0.2527,
0.2294

■ 37.3932, 0.4093,
0.4902

■ 44.5824, 0.2528,
0.2294

■ 37.2899, 0.4147,
0.4993

■ 44.5917, 0.2528,
0.2294

■ 37.2302, 0.4176,
0.5044

■ 44.6010, 0.2529,
0.2294

Harmonies

Analogous

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



39.8336, 0.3268, 0.3411



39.8336, 0.3212, 0.3431



39.8336, 0.3134, 0.3412

Triad

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



39.8336, 0.3212, 0.3431



39.8336, 0.2971, 0.3218



39.8336, 0.3199, 0.3222

Complementary

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



39.8336, 0.3212, 0.3431



35.5174, 0.3040, 0.3145

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.



39.8336, 0.3119, 0.3172



39.8336, 0.3212, 0.3431



39.8336, 0.2988, 0.3169

Square

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



39.8336, 0.3212, 0.3431



39.8336, 0.2995, 0.3288



39.8336, 0.3042, 0.3152



39.8336, 0.3261, 0.3290

Rectangle

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



39.8336, 0.3212, 0.3431



39.8336, 0.3080, 0.3380



39.8336, 0.3042, 0.3152



39.8336, 0.3174, 0.3203

Sweetspot

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



39.8353, 0.3212, 0.3431



72.6967, 0.3156, 0.3338



36.2226, 0.3224, 0.3290



16.2145, 0.3155, 0.3336



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.



39.8353, 0.3212, 0.3431



72.1287, 0.3230, 0.3461



39.2925, 0.3166, 0.3433



8.7959, 0.3234, 0.3468



27.3681, 0.4185, 0.5059



0.6664, 0.4188, 0.5057

Inverse Universe

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



35.5174, 0.3040, 0.3145



62.7416, 0.3021, 0.3113



36.0395, 0.3086, 0.3147



7.6055, 0.3016, 0.3106



2.1396, 0.1502, 0.0601



0.0526, 0.1511, 0.0606

Previews

White Background



This preview shows how the Yxy color 39.8336, 0.3212, 0.3431 looks on a white background.

Color Contrast Check

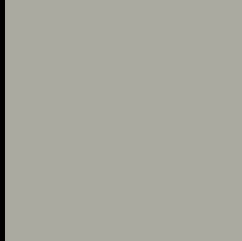
Large Text (above 18pt) WCAG AA × Fail

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 39.8336, 0.3212, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

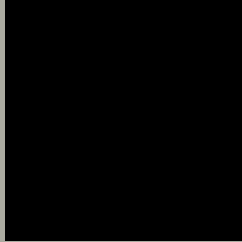
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

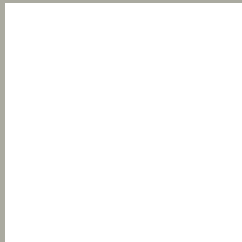
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8336, 0.3212, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 39.8336, 0.3212, 0.3431.



This preview shows how white text looks on a background with the Yxy color 39.8336, 0.3212, 0.3431.

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

39.8336, 0.3212, 0.3431

Protanopia

39.9931, 0.3269, 0.3429

Deuteranopia

39.9429, 0.3393, 0.3331



Tritanopia

39.8170, 0.3072, 0.3113

Trichromacy



Original Color

39.8336, 0.3212, 0.3431

Protanomaly

39.7634, 0.3250, 0.3430

Deuteranomaly

39.7907, 0.3322, 0.3359

Tritanomaly

39.7930, 0.3121, 0.3221

Monochromacy



Original Color

39.8336, 0.3212, 0.3431

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.5641, 0.3153, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8336, 0.3212, 0.3431 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(170, 170, 160)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 160)  
}
```

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(170, 170, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 160) }
```

Border

The CSS property to change the border of an element to Yxy 39.8336, 0.3212, 0.3431 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(170, 170, 160) }
```

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

```
.border{ border-color:rgb(170, 170, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 170, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 170, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 170, 160);  
box-shadow:4px 4px 4px 4px rgb(170, 170,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8336, 0.3212, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 160) }
```

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

```
.background{ background-color: rgb(170,  
170, 160) }
```

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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