

Converting Colors

$Y_{xy}(40.0224, 0.3215, 0.3420)$

Have a look what the booklet for
Yxy(40.0224, 0.3215, 0.3420)
contains.

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Color

Yxy(39.9806, 0.3213, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	ABAAA1
RGB	171, 170, 161
RGB Percent	67%, 67%, 63%
CMY	0.3294, 0.3333, 0.3686
CMYK	0.00, 0.01, 0.06, 0.33
HSL	54°, 6%, 65%
HSV	54°, 6%, 67%
XYZ	37.6047, 39.9806, 39.4539
YIQ	169.2730, 3.4850, -2.5870

Conversions

Conversions Part 2

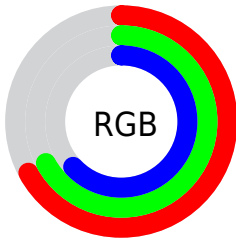
Format	Color
RYB	162, 171, 161
Decimal	11250337
CIELab	69.46, -1.28, 4.75
CIELCh	69, 4.923, 105.106
Yxy	39.9806, 0.3213, 0.3416
Android (android.graphics.Color)	4289440417 (0xFFABAAA1)
YUV	169.2730, -4.0786, 1.5146
Hunter-Lab	63.2302, -4.4941, 7.2658

Details

The Yxy color **39.9806, 0.3213, 0.3416** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.3651, 0.3040, 0.3161**, and the grayscale version is **39.8395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9770, 0.3193, 0.3387**, and **18.0046, 0.3235, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **38.7739, 0.3366, 0.3638**, and if you desaturate by 10%, it is **41.2819, 0.3068, 0.3203**.

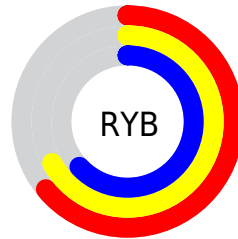
Distribution



Red (67%)

Green (67%)

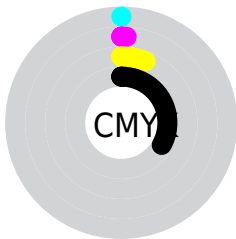
Blue (63%)



Red (64%)

Yellow (67%)

Blue (63%)

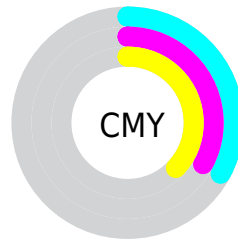


Cyan (0%)

Magenta (1%)

Yellow (6%)

Black (33%)



Cyan (33%)


Magenta (33%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9806, 0.3213, 0.3416 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 39.9806, 0.3213, 0.3416 by changing the saturation by 10% instead.

 39.9806, 0.3213,
0.3416


 39.9806, 0.3213,
0.3416


346.0418, 0.3169,
0.3351

 27.5234, 0.3224,
0.3433

 75.1340, 0.3197,
0.3392

 17.9667, 0.3239,
0.3455


 98.5990, 0.3191,
0.3383

 10.9261, 0.3259,
0.3485


126.5020, 0.3186,
0.3376

 6.0172, 0.3288,
0.3528

159.2275, 0.3181,
0.3369

 2.8555, 0.3333,
0.3596

197.1598, 0.3178,
0.3364

 1.0568, 0.3421,
0.3729

240.6834, 0.3174,

 0.0000, 0.0000,

0.3359

0.0000

290.1826, 0.3172,
0.3355

■ 39.9806, 0.3213,
0.3416

■ 39.9806, 0.3213,
0.3416

■ 38.7739, 0.3366,
0.3638

■ 41.2819, 0.3068,
0.3203

■ 37.6532, 0.3524,
0.3863

■ 42.6757, 0.2933,
0.3002

■ 36.6167, 0.3684,
0.4086

■ 44.1668, 0.2809,
0.2814

■ 35.6604, 0.3840,
0.4297

■ 45.7580, 0.2696,
0.2641

■ 34.7803, 0.3986,
0.4488

■ 47.4521, 0.2593,
0.2482

■ 33.9716, 0.4115,
0.4649

■ 48.6845, 0.2547,
0.2419

■ 33.2293, 0.4224,
0.4773

■ 49.3910, 0.2549,
0.2440

■ 32.5473, 0.4306,
0.4854

■ 50.1062, 0.2552,
0.2461

■ 31.9177, 0.4362,
0.4892

■ 50.8302, 0.2555,
0.2482

Harmonies

Analogous

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



39.9806, 0.3259, 0.3393



39.9806, 0.3213, 0.3416



39.9806, 0.3145, 0.3404

Triad

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



39.9806, 0.3213, 0.3416



39.9806, 0.2988, 0.3234



39.9806, 0.3181, 0.3221

Complementary

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



39.9806, 0.3213, 0.3416



36.3651, 0.3040, 0.3161

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.



39.9806, 0.3108, 0.3179



39.9806, 0.3213, 0.3416



39.9806, 0.2997, 0.3186

Square

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



39.9806, 0.3213, 0.3416



39.9806, 0.3015, 0.3299



39.9806, 0.3041, 0.3166



39.9806, 0.3240, 0.3280

Rectangle

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



39.9806, 0.3213, 0.3416



39.9806, 0.3096, 0.3379



39.9806, 0.3041, 0.3166



39.9806, 0.3158, 0.3204

Sweetspot

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



39.9823, 0.3213, 0.3416



72.4617, 0.3157, 0.3333



36.7650, 0.3213, 0.3274



16.1650, 0.3155, 0.3331



86.8899, 0.3127, 0.3290



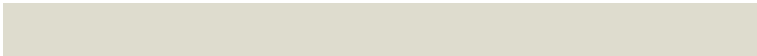
16.2647, 0.3127, 0.3290

Same Dimension

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



39.9823, 0.3213, 0.3416



71.3090, 0.3232, 0.3444



39.9395, 0.3177, 0.3431



9.2426, 0.3237, 0.3451



23.9102, 0.4380, 0.4904



0.7042, 0.4317, 0.4955

Inverse Universe

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



36.3651, 0.3040, 0.3161



63.4941, 0.3020, 0.3131



36.4138, 0.3076, 0.3148



8.1844, 0.3015, 0.3124



2.5653, 0.1523, 0.0684



0.1122, 0.1614, 0.1009

Previews

White Background



This preview shows how the Yxy color 39.9806, 0.3213, 0.3416 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 39.9806, 0.3213, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

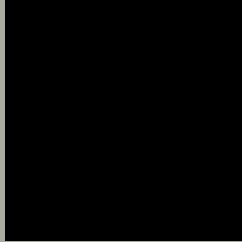
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

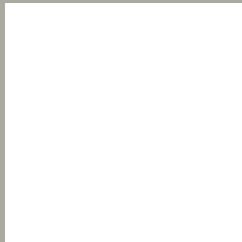
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9806, 0.3213, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 39.9806, 0.3213, 0.3416.



This preview shows how white text looks on a background with the Yxy color 39.9806, 0.3213, 0.3416.

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

39.9806, 0.3213, 0.3416

Protanopia

40.0280, 0.3260, 0.3415

Deuteranopia

39.9784, 0.3384, 0.3317



Tritanopia

39.9314, 0.3081, 0.3114

Trichromacy



Original Color

39.9806, 0.3213, 0.3416

Protanomaly

39.9127, 0.3251, 0.3415

Deuteranomaly

39.8262, 0.3313, 0.3345

Tritanomaly

39.9066, 0.3130, 0.3221

Monochromacy



Original Color

39.9806, 0.3213, 0.3416

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6752, 0.3162, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9806, 0.3213, 0.3416 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(171, 170, 161)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 161)  
}
```

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(171, 170, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 161) }
```

Border

The CSS property to change the border of an element to Yxy 39.9806, 0.3213, 0.3416 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(171, 170, 161) }
```

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

```
.border{ border-color:rgb(171, 170, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 170, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 170, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 170, 161);  
box-shadow:4px 4px 4px 4px rgb(171, 170,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9806, 0.3213, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 161) }
```

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

```
.background{ background-color: rgb(171,  
170, 161) }
```

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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