

Converting Colors

$Y_{xy}(40.9784, 0.3085, 0.3222)$

Have a look what the booklet for
Yxy(40.9784, 0.3085, 0.3222)
contains.

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Color

Yxy(40.9183, 0.3086, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	ABABBO
RGB	171, 171, 176
RGB Percent	67%, 67%, 69%
CMY	0.3292, 0.3295, 0.3097
CMYK	0.03, 0.03, 0.00, 0.31
HSL	241°, 3%, 68%
HSV	241°, 3%, 69%
XYZ	39.2033, 40.9183, 46.9144
YIQ	171.5700, -1.6050, 1.5550

Conversions

Conversions Part 2

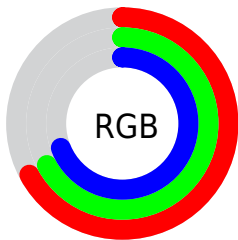
Format	Color
RYB	171, 171, 176
Decimal	11250608
CIELab	70.12, 0.99, -2.58
CIELCh	70, 2.761, 290.988
Yxy	40.9183, 0.3086, 0.3221
Android (android.graphics.Color)	4289440688 (0xFFABABB0)
YUV	171.5700, 2.1840, -0.4999
Hunter-Lab	63.9674, -2.5468, 1.2933

Details

The Yxy color **40.9183, 0.3086, 0.3221** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.2219, 0.3168, 0.3358**, and the grayscale version is **41.0204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3877, 0.3089, 0.3227**, and **18.5708, 0.3070, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **32.8822, 0.2929, 0.2958**, and if you desaturate by 10%, it is **50.1000, 0.3223, 0.3451**.

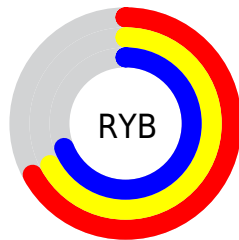
Distribution



Red (67%)

Green (67%)

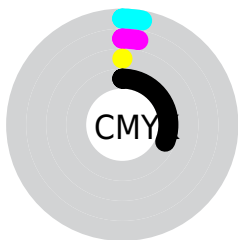
Blue (69%)



Red (67%)

Yellow (67%)

Blue (69%)

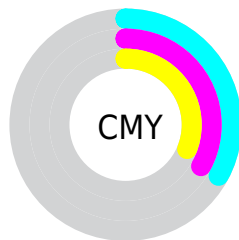


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (31%)



Cyan (33%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9183, 0.3086, 0.3221 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 40.9183, 0.3086, 0.3221 by changing the saturation by 10% instead.

■ 40.9183, 0.3086,
0.3221

■ 40.9183, 0.3086,
0.3221

349.9790, 0.3107,
0.3256

■ 28.2553, 0.3081,
0.3212

■ 76.5599, 0.3094,
0.3234

■ 18.5182, 0.3073,
0.3200

100.3072, 0.3097,
0.3239

■ 11.3226, 0.3064,
0.3184

128.5180, 0.3099,
0.3243

■ 6.2843, 0.3050,
0.3162

161.5768, 0.3101,
0.3246

■ 3.0187, 0.3029,
0.3127

199.8678, 0.3103,
0.3249

■ 1.1415, 0.2991,
0.3065

243.7757, 0.3105,

■ 0.0131, 0.1499,

0.3252

0.0538

293.6846, 0.3106,
0.3254

0.0000, 0.0000,
0.0000

40.9183, 0.3086,
0.3221

40.9183, 0.3086,
0.3221

32.8822, 0.2929,
0.2958

50.1000, 0.3223,
0.3451

25.9418, 0.2752,
0.2663

60.4642, 0.3342,
0.3650

20.0511, 0.2557,
0.2337

72.0528, 0.3444,
0.3821

15.1592, 0.2349,
0.1992

84.9038, 0.3531,
0.3969

11.2107, 0.2138,
0.1642

95.9153, 0.3597,
0.4066

■ 8.1449, 0.1937,
0.1309

■ 5.8939, 0.1761,
0.1021

■ 4.3801, 0.1626,
0.0800

■ 3.5109, 0.1541,
0.0662

Harmonies

Analogous

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



40.9183, 0.3058, 0.3229



40.9183, 0.3086, 0.3221



40.9183, 0.3125, 0.3231

Triad

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



40.9183, 0.3086, 0.3221



40.9183, 0.3206, 0.3326



40.9183, 0.3090, 0.3323

Complementary

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



40.9183, 0.3086, 0.3221



43.2219, 0.3168, 0.3358

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.



40.9183, 0.3129, 0.3350



40.9183, 0.3086, 0.3221



40.9183, 0.3197, 0.3352

Square

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



40.9183, 0.3086, 0.3221



40.9183, 0.3195, 0.3292



40.9183, 0.3168, 0.3360



40.9183, 0.3060, 0.3288

Rectangle

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



40.9183, 0.3086, 0.3221



40.9183, 0.3152, 0.3247



40.9183, 0.3168, 0.3360



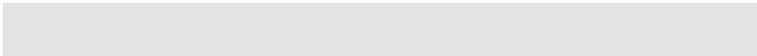
40.9183, 0.3102, 0.3334

Sweetspot

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



40.9200, 0.3086, 0.3221



77.1045, 0.3113, 0.3266



42.8492, 0.3083, 0.3290



16.7290, 0.3113, 0.3267



89.0005, 0.3127, 0.3290



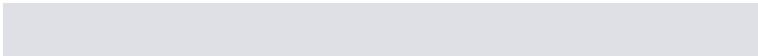
17.0645, 0.3127, 0.3290

Same Dimension

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



40.9200, 0.3086, 0.3221



73.8957, 0.3083, 0.3216



41.1980, 0.3108, 0.3222



9.2955, 0.3073, 0.3199



2.3124, 0.1505, 0.0603



0.0745, 0.1526, 0.0614

Inverse Universe

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



41.4859, 0.3131, 0.3223



74.9905, 0.3131, 0.3218



42.9388, 0.3146, 0.3358



9.4655, 0.3132, 0.3202



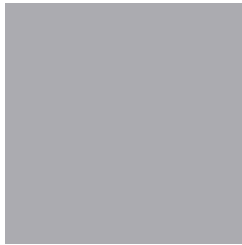
9.0086, 0.3241, 0.1559



0.2840, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 40.9183, 0.3086, 0.3221 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 40.9183, 0.3086, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

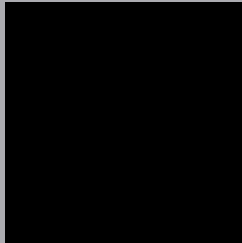
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

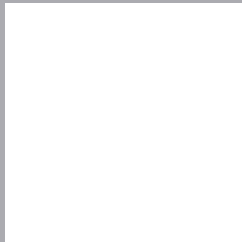
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9183, 0.3086, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 40.9183, 0.3086, 0.3221.



This preview shows how white text looks on a background with the Yxy color 40.9183, 0.3086, 0.3221.

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

40.9183, 0.3086, 0.3221

Protanopia

40.7683, 0.3104, 0.3208

Deuteranopia

40.7610, 0.3208, 0.3145



Tritanopia

40.9390, 0.3038, 0.3114

Trichromacy



Original Color

40.9183, 0.3086, 0.3221

Protanomaly

40.6547, 0.3095, 0.3208

Deuteranomaly

40.8829, 0.3160, 0.3170

Tritanomaly

40.8154, 0.3062, 0.3154

Monochromacy



Original Color

40.9183, 0.3086, 0.3221

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.2928, 0.3119, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9183, 0.3086, 0.3221 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, 171, 176)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 176)  
}
```

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, 171, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.9183, 0.3086, 0.3221 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, 171, 176) }
```

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

```
.border{ border-color:rgb(171, 171, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 176);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9183, 0.3086, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 176) }
```

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

```
.background{ background-color: rgb(171,  
171, 176) }
```

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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