

Converting Colors

$Y_{xy}(39.9507, 0.3351, 0.3180)$

Have a look what the booklet for
Yxy(39.9507, 0.3351, 0.3180)
contains.

Yxy(40.0804, 0.3352, 0.3186)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.0804, 0.3352, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	C1A2AA
RGB	193, 162, 170
RGB Percent	76%, 64%, 67%
CMY	0.2432, 0.3647, 0.3333
CMYK	0.00, 0.16, 0.12, 0.24
HSL	344°, 20%, 70%
HSV	344°, 16%, 76%
XYZ	42.1687, 40.0804, 43.5525
YIQ	172.1810, 15.9080, 9.0600

Conversions

Conversions Part 2

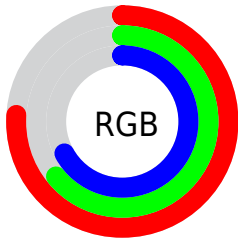
Format	Color
R_{YB}	193, 162, 170
Decimal	12690090
CIE _{Lab}	69.53, 12.70, 0.10
CIE _{LCh}	70, 12.698, 0.449
Yxy	40.0804, 0.3352, 0.3186
Android (android.graphics.Color)	4290880170 (0xFFC1A2AA)
YUV	172.1810, -1.0752, 18.2583
Hunter-Lab	63.3091, 8.1038, 3.5287

Details

The Yxy color **40.0804, 0.3352, 0.3186** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.3220, 0.2942, 0.3397**, and the grayscale version is **41.3520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3859, 0.3313, 0.3209**, and **17.9488, 0.3419, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **33.2839, 0.3535, 0.3117**, and if you desaturate by 10%, it is **47.9830, 0.3203, 0.3252**.

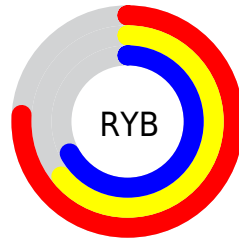
Distribution



Red (76%)

Green (64%)

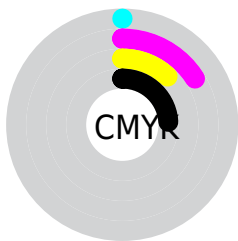
Blue (67%)



Red (76%)

Yellow (64%)

Blue (67%)

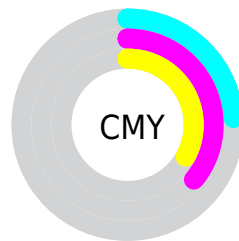


Cyan (0%)

Magenta (16%)

Yellow (12%)

Black (24%)



Cyan (24%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0804, 0.3352, 0.3186 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 40.0804, 0.3352, 0.3186 by changing the saturation by 10% instead.


 40.0804, 0.3352,
0.3186


 40.0804, 0.3352,
0.3186


346.4623, 0.3237,
0.3240

 27.6012, 0.3382,
0.3172


 75.2859, 0.3309,
0.3206

 18.0253, 0.3421,
0.3154

 98.7811, 0.3294,
0.3213

 10.9681, 0.3474,
0.3130


126.7170, 0.3280,
0.3219

 6.0454, 0.3550,
0.3094

159.4781, 0.3269,
0.3225

 2.8727, 0.3668,
0.3039

197.4488, 0.3259,
0.3229

 1.0656, 0.3879,
0.2941

241.0135, 0.3251,


 0.0000, 1.0000,

0.3233


0.0000


290.5565, 0.3243,
0.3236


 0.0000, 0.0000,
0.0000


 40.0804, 0.3352,
0.3186


 40.0804, 0.3352,
0.3186


 33.2839, 0.3535,
0.3117


 47.9830, 0.3203,
0.3252

 27.5387, 0.3758,
0.3047


 57.0324, 0.3082,
0.3314


 22.7936, 0.4026,
0.2981

 67.2740, 0.2984,
0.3370

 18.9908, 0.4343,
0.2925

 78.7490, 0.2904,
0.3422

 16.0667, 0.4701,
0.2890

 89.2415, 0.2836,
0.3433

■ 13.9498, 0.5084,
0.2885

■ 90.0769, 0.2768,
0.3289

■ 12.5569, 0.5462,
0.2921

■ 11.7832, 0.5793,
0.2997

■ 11.5664, 0.5910,
0.3029

Harmonies

Analogous

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



40.0804, 0.3174, 0.3056



40.0804, 0.3352, 0.3186



40.0804, 0.3470, 0.3344

Triad

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



40.0804, 0.3352, 0.3186



40.0804, 0.3260, 0.3616



40.0804, 0.2774, 0.3072

Complementary

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



40.0804, 0.3352, 0.3186



49.3220, 0.2942, 0.3397

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.



40.0804, 0.2796, 0.3220



40.0804, 0.3352, 0.3186



40.0804, 0.3073, 0.3542

Square

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



40.0804, 0.3352, 0.3186



40.0804, 0.3415, 0.3596



40.0804, 0.2904, 0.3394



40.0804, 0.2843, 0.2988

Rectangle

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



40.0804, 0.3352, 0.3186



40.0804, 0.3497, 0.3448



40.0804, 0.2904, 0.3394



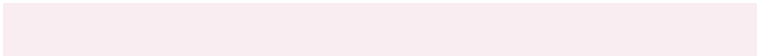
40.0804, 0.2771, 0.3116

Sweetspot

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



40.0822, 0.3352, 0.3186



87.4378, 0.3190, 0.3258



39.9733, 0.3070, 0.2888



18.5260, 0.3200, 0.3254



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.0822, 0.3352, 0.3186



67.6342, 0.3407, 0.3164



42.4095, 0.3412, 0.3385



10.1197, 0.3249, 0.3231



7.7047, 0.5878, 0.3011



0.3446, 0.5221, 0.2650

Inverse Universe

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



40.0822, 0.3352, 0.3186



67.6342, 0.3407, 0.3164



46.5506, 0.2883, 0.3193



10.1197, 0.3249, 0.3231



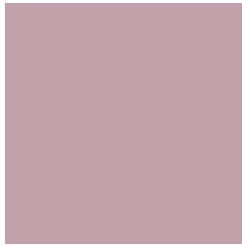
7.7047, 0.5878, 0.3011



0.3446, 0.5221, 0.2650

Previews

White Background



This preview shows how the Yxy color 40.0804, 0.3352, 0.3186 looks on a white background.

Color Contrast Check

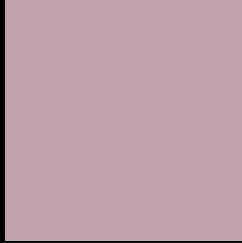
Large Text (above 18pt) WCAG AA × Fail

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 40.0804, 0.3352, 0.3186 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 40.0804, 0.3352, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 40.0804, 0.3352, 0.3186.



This preview shows how white text looks on a background with the Yxy color 40.0804, 0.3352, 0.3186.

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

40.0804, 0.3352, 0.3186

Protanopia

40.2026, 0.3112, 0.3221

Deuteranopia

40.2516, 0.3281, 0.3224



Tritanopia

40.0151, 0.3326, 0.3122

Trichromacy



Original Color

40.0804, 0.3352, 0.3186

Protanomaly

39.9929, 0.3197, 0.3196

Deuteranomaly

40.2720, 0.3311, 0.3211

Tritanomaly

39.9762, 0.3336, 0.3135

Monochromacy



Original Color

40.0804, 0.3352, 0.3186

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.6488, 0.3212, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0804, 0.3352, 0.3186 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(193, 162, 170)` looks like.

```
.text, #text, p{  
    color:rgb(193, 162, 170)  
}
```

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(193, 162, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 162, 170) }
```

Border

The CSS property to change the border of an element to Yxy 40.0804, 0.3352, 0.3186 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(193, 162, 170) }
```

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

```
.border{ border-color:rgb(193, 162, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 162, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 162, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 162, 170);  
box-shadow:4px 4px 4px 4px rgb(193, 162,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0804, 0.3352, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 162, 170) }
```

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

```
.background{ background-color: rgb(193,  
162, 170) }
```

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