

Converting Colors

$Y_{xy}(40.3030, 0.3356, 0.3149)$

Have a look what the booklet for
Yxy(40.3030, 0.3356, 0.3149)
contains.

Yxy(40.2041, 0.3364, 0.3149)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.2041, 0.3364, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	C4A1AC
RGB	196, 161, 172
RGB Percent	77%, 63%, 67%
CMY	0.2315, 0.3686, 0.3255
CMYK	0.00, 0.18, 0.12, 0.23
HSL	341°, 23%, 70%
HSV	341°, 18%, 77%
XYZ	42.9491, 40.2041, 44.5194
YIQ	172.7190, 17.3290, 10.8410

Conversions

Conversions Part 2

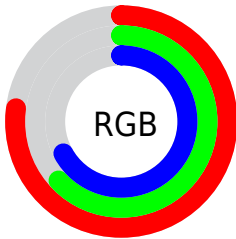
Format	Color
R _Y B	196, 161, 172
Decimal	12886444
CIE Lab	69.61, 14.66, -0.83
CIE LCh	70, 14.680, 356.753
Yxy	40.2041, 0.3364, 0.3149
Android (android.graphics.Color)	4291076524 (0xFFC4A1AC)
YUV	172.7190, -0.3545, 20.4174
Hunter-Lab	63.4067, 9.9467, 2.7557

Details

The Yxy color **40.2041, 0.3364, 0.3149** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.5476, 0.2936, 0.3436**, and the grayscale version is **41.6333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5404, 0.3322, 0.3180**, and **18.0441, 0.3436, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **33.3932, 0.3539, 0.3065**, and if you desaturate by 10%, it is **48.1443, 0.3221, 0.3230**.

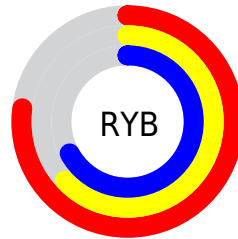
Distribution



Red (77%)

Green (63%)

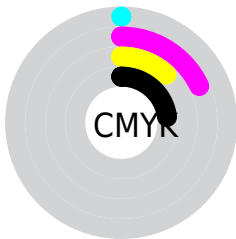
Blue (67%)



Red (77%)

Yellow (63%)

Blue (67%)

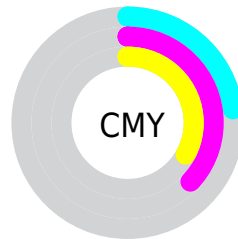


Cyan (0%)

Magenta (18%)

Yellow (12%)

Black (23%)



Cyan (23%)


Magenta (37%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2041, 0.3364, 0.3149 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 40.2041, 0.3364, 0.3149 by changing the saturation by 10% instead.

 40.2041, 0.3364,
0.3149


 40.2041, 0.3364,
0.3149


346.9831, 0.3243,
0.3221

 27.6977, 0.3395,
0.3131


 75.4742, 0.3319,
0.3176

 18.0979, 0.3436,
0.3107


 99.0067, 0.3303,
0.3185

 11.0203, 0.3491,
0.3074


126.9834, 0.3289,
0.3194

 6.0805, 0.3570,
0.3028

159.7886, 0.3277,
0.3201

 2.8941, 0.3693,
0.2956

197.8068, 0.3267,
0.3207

 1.0767, 0.3910,
0.2830

241.4224, 0.3258,

 0.0000, 0.9645,

0.3212

0.0000

291.0197, 0.3250,
0.3217

0.0000, 0.0000,
0.0000

40.2041, 0.3364,
0.3149

40.2041, 0.3364,
0.3149

33.3932, 0.3539,
0.3065

48.1443, 0.3221,
0.3230

27.6549, 0.3752,
0.2980

57.2566, 0.3104,
0.3306

22.9355, 0.4006,
0.2901

67.5879, 0.3008,
0.3376

19.1746, 0.4302,
0.2834

79.1812, 0.2930,
0.3441

16.3053, 0.4636,
0.2792

89.4966, 0.2864,
0.3458

■ 14.2520, 0.4992,
0.2786

■ 90.3222, 0.2795,
0.3314

■ 12.9264, 0.5343,
0.2825

■ 90.4716, 0.2784,
0.3289

■ 12.1986, 0.5659,
0.2908

■ 12.0740, 0.5723,
0.2926

Harmonies

Analogous

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



40.2041, 0.3153, 0.3007



40.2041, 0.3364, 0.3149



40.2041, 0.3513, 0.3328

Triad

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



40.2041, 0.3364, 0.3149



40.2041, 0.3305, 0.3671



40.2041, 0.2718, 0.3055

Complementary

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



40.2041, 0.3364, 0.3149



50.5476, 0.2936, 0.3436

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.



40.2041, 0.2756, 0.3232



40.2041, 0.3364, 0.3149



40.2041, 0.3090, 0.3598

Square

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



40.2041, 0.3364, 0.3149



40.2041, 0.3476, 0.3633



40.2041, 0.2890, 0.3434



40.2041, 0.2784, 0.2949

Rectangle

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



40.2041, 0.3364, 0.3149



40.2041, 0.3554, 0.3449



40.2041, 0.2890, 0.3434



40.2041, 0.2719, 0.3108

Sweetspot

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



40.2059, 0.3364, 0.3149



91.5825, 0.3186, 0.3252



39.7823, 0.3047, 0.2839



19.3588, 0.3195, 0.3246



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.2059, 0.3364, 0.3149



68.3188, 0.3421, 0.3120



42.0993, 0.3453, 0.3374



10.1288, 0.3241, 0.3218



7.7747, 0.5687, 0.2906



0.3486, 0.5039, 0.2549

Inverse Universe

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



40.2059, 0.3364, 0.3149



68.3188, 0.3421, 0.3120



48.2003, 0.2857, 0.3204



10.1288, 0.3241, 0.3218



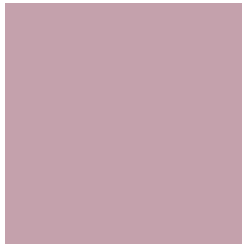
7.7747, 0.5687, 0.2906



0.3486, 0.5039, 0.2549

Previews

White Background



This preview shows how the Yxy color 40.2041, 0.3364, 0.3149 looks on a white background.

Color Contrast Check

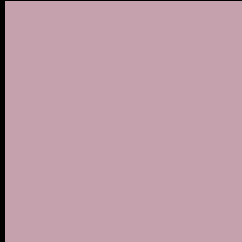
Large Text (above 18pt) WCAG AA × Fail

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 40.2041, 0.3364, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

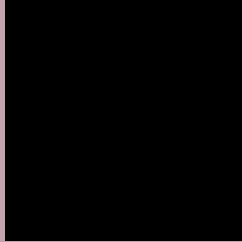
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2041, 0.3364, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 40.2041, 0.3364, 0.3149.



This preview shows how white text looks on a background with the Yxy color 40.2041, 0.3364, 0.3149.

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

40.2041, 0.3364, 0.3149

Protanopia

40.2082, 0.3078, 0.3180

Deuteranopia

40.2896, 0.3272, 0.3211



Tritanopia

40.2426, 0.3355, 0.3136

Trichromacy



Original Color

40.2041, 0.3364, 0.3149

Protanomaly

40.0709, 0.3179, 0.3169

Deuteranomaly

40.4383, 0.3311, 0.3199

Tritanomaly

40.2426, 0.3355, 0.3136

Monochromacy



Original Color

40.2041, 0.3364, 0.3149

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.2168, 0.3203, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2041, 0.3364, 0.3149 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(196, 161, 172)` looks like.

```
.text, #text, p{  
    color:rgb(196, 161, 172)  
}
```

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(196, 161, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 161, 172) }
```

Border

The CSS property to change the border of an element to Yxy 40.2041, 0.3364, 0.3149 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(196, 161, 172) }
```

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

```
.border{ border-color:rgb(196, 161, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 161, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 161, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 161, 172);  
box-shadow:4px 4px 4px 4px rgb(196, 161,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2041, 0.3364, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 161, 172) }
```

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

```
.background{ background-color: rgb(196,  
161, 172) }
```

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