

Converting Colors

$Yxy(40.5092, 0.3009, 0.3998)$

Have a look what the booklet for
Yxy(40.5092, 0.3009, 0.3998)
contains.

Yxy(40.7052, 0.3014, 0.4006)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.7052, 0.3014, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	80B88A
RGB	128, 184, 138
RGB Percent	50%, 72%, 54%
CMY	0.4982, 0.2784, 0.4589
CMYK	0.30, 0.00, 0.25, 0.28
HSL	131°, 28%, 61%
HSV	131°, 30%, 72%
XYZ	30.6254, 40.7052, 30.2800
YIQ	162.0120, -18.6100, -26.1780

Conversions

Conversions Part 2

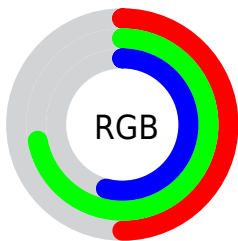
Format	Color
RYB	128, 176, 184
Decimal	8435850
CIELab	69.97, -27.77, 17.68
CIELCh	70, 32.922, 147.525
Yxy	40.7052, 0.3014, 0.4006
Android (android.graphics.Color)	4286625930 (0xFF80B88A)
YUV	162.0120, -11.8379, -29.8285
Hunter-Lab	63.8006, -25.9679, 16.5212

Details

The Yxy color **40.7052, 0.3014, 0.4006** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.6782, 0.3266, 0.2667**, and the grayscale version is **36.1975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0710, 0.3037, 0.3853**, and **18.5150, 0.2969, 0.4249** is the 20% darker color. If you saturate the color by 10%, you get **38.9998, 0.2980, 0.4291**, and if you desaturate by 10%, it is **42.7337, 0.3051, 0.3744**.

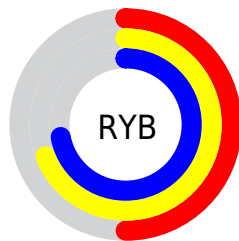
Distribution



Red (50%)

Green (72%)

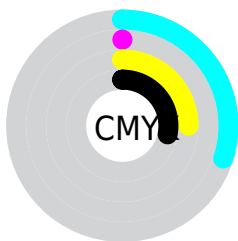
Blue (54%)



Red (50%)

Yellow (69%)

Blue (72%)

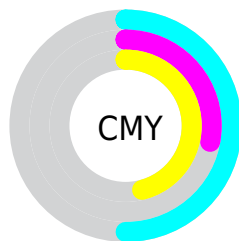


Cyan (30%)

Magenta (0%)

Yellow (25%)

Black (28%)



Cyan (50%)


Magenta (28%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7052, 0.3014, 0.4006 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 40.7052, 0.3014, 0.4006 by changing the saturation by 10% instead.


 40.7052, 0.3014,
0.4006


 40.7052, 0.3014,
0.4006


349.0870, 0.3080,
0.3624

 28.0888, 0.2994,
0.4110


 76.2362, 0.3040,
0.3861

 18.3926, 0.2966,
0.4248


 99.9195, 0.3050,
0.3809

 11.2322, 0.2924,
0.4441


 128.0607, 0.3057,
0.3765

 6.2233, 0.2857,
0.4728

161.0440, 0.3063,
0.3728

 2.9813, 0.2733,
0.5198

199.2539, 0.3068,
0.3697

 1.1220, 0.2485,
0.7515

243.0748, 0.3073,

 0.0000, 0.0000,

0.3669

0.0000

292.8910, 0.3077,
0.3645

■ 40.7052, 0.3014,
0.4006

■ 40.7052, 0.3014,
0.4006

■ 38.9998, 0.2980,
0.4291

■ 42.7337, 0.3051,
0.3744

■ 37.5958, 0.2952,
0.4592

■ 45.0955, 0.3088,
0.3508

■ 36.4769, 0.2932,
0.4898

■ 47.8065, 0.3125,
0.3299

■ 35.6233, 0.2921,
0.5193

■ 50.8803, 0.3162,
0.3116


■ 35.0124, 0.2923,
0.5458

■ 54.3295, 0.3196,
0.2956

 34.6177, 0.2936,
0.5677

 58.1664, 0.3228,
0.2818

 34.3947, 0.2954,
0.5833

 62.0638, 0.3244,
0.2696

 62.7656, 0.3160,
0.2595

Harmonies

Analogous

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



40.7052, 0.3489, 0.4163



40.7052, 0.3014, 0.4006



40.7052, 0.2590, 0.3601

Triad

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



40.7052, 0.3014, 0.4006



40.7052, 0.2393, 0.2547



40.7052, 0.4004, 0.3356

Complementary

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



40.7052, 0.3014, 0.4006



28.6782, 0.3266, 0.2667

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.



40.7052, 0.3665, 0.2988



40.7052, 0.3014, 0.4006



40.7052, 0.2722, 0.2538

Square

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



40.7052, 0.3014, 0.4006



40.7052, 0.2253, 0.2745



40.7052, 0.3185, 0.2697



40.7052, 0.4083, 0.3735

Rectangle

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



40.7052, 0.3014, 0.4006



40.7052, 0.2389, 0.3278



40.7052, 0.3185, 0.2697



40.7052, 0.3916, 0.3228

Sweetspot

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



40.7069, 0.3014, 0.4006



82.3416, 0.3093, 0.3479



44.9192, 0.3494, 0.4061



17.6066, 0.3088, 0.3511



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.7069, 0.3014, 0.4006



71.5087, 0.2990, 0.4208



41.6011, 0.2820, 0.3570



10.0856, 0.3092, 0.3483



23.7090, 0.2949, 0.5817



0.8439, 0.2825, 0.5371

Inverse Universe

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



28.6782, 0.3266, 0.2667



45.9836, 0.3307, 0.2521



27.7179, 0.3575, 0.3028



9.1345, 0.3164, 0.3104



8.5753, 0.3712, 0.1819



0.3096, 0.3561, 0.1736

Previews

White Background



This preview shows how the Yxy color 40.7052, 0.3014, 0.4006 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 40.7052, 0.3014, 0.4006 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 40.7052, 0.3014, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 40.7052, 0.3014, 0.4006.



This preview shows how white text looks on a background with the Yxy color 40.7052, 0.3014, 0.4006.

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

40.7052, 0.3014, 0.4006

Protanopia

40.3332, 0.3584, 0.3828

Deuteranopia

40.3742, 0.3652, 0.3580



Tritanopia

40.6091, 0.2708, 0.3089

Trichromacy



Original Color

40.7052, 0.3014, 0.4006

Protanomaly

40.0626, 0.3351, 0.3887

Deuteranomaly

39.8196, 0.3395, 0.3716

Tritanomaly

40.6894, 0.2814, 0.3408

Monochromacy



Original Color

40.7052, 0.3014, 0.4006

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.5334, 0.3088, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7052, 0.3014, 0.4006 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(128, 184, 138)` looks like.

```
.text, #text, p{  
    color:rgb(128, 184, 138)  
}
```

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(128, 184, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 184, 138) }
```

Border

The CSS property to change the border of an element to Yxy 40.7052, 0.3014, 0.4006 is called "border". The border property can be set on classes, ids or directly on the HTML element.

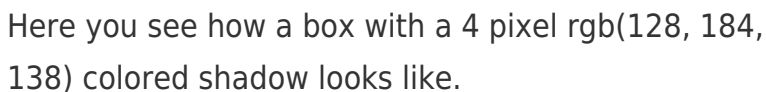
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 184, 138) }
```

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

```
.border{ border-color:rgb(128, 184, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 184, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 184, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 184, 138); box-shadow:4px 4px 4px 4px rgb(128, 184, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7052, 0.3014, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 184, 138) }
```

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

```
.background{ background-color: rgb(128,  
184, 138) }
```

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