

Converting Colors

$Yxy(40.2860, 0.2974, 0.4100)$

Have a look what the booklet for
Yxy(40.2860, 0.2974, 0.4100)
contains.

Yxy(40.3411, 0.2974, 0.4100)	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(40.3411, 0.2974, 0.4100)

Conversions

Conversions Part 1

Format	Color
Hex	77B986
RGB	119, 185, 134
RGB Percent	47%, 73%, 53%
CMY	0.5332, 0.2745, 0.4746
CMYK	0.36, 0.00, 0.28, 0.27
HSL	134°, 32%, 60%
HSV	134°, 36%, 73%
XYZ	29.2621, 40.3411, 28.7898
YIQ	159.4520, -22.9650, -29.8530

Conversions

Conversions Part 2

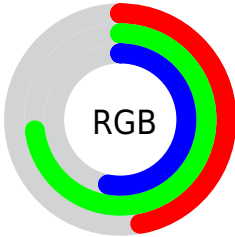
Format	Color
RYB	119, 173, 185
Decimal	7846278
CIELab	69.71, -31.83, 19.41
CIELCh	70, 37.281, 148.623
Yxy	40.3411, 0.2974, 0.4100
Android (android.graphics.Color)	4286036358 (0xFF77B986)
YUV	159.4520, -12.5478, -35.4764
Hunter-Lab	63.5146, -28.9133, 17.5854

Details

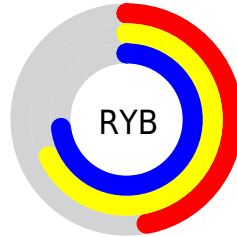
The Yxy color $40.3411, 0.2974, 0.4100$ is a dark color, and the websafe version is hex $99CC99$. A complement of this color would be $26.4211, 0.3332, 0.2599$, and the grayscale version is $34.9588, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.3827, 0.3010, 0.3935$, and $18.0660, 0.2910, 0.4370$ is the 20% darker color. If you saturate the color by 10%, you get $38.7857, 0.2938, 0.4378$, and if you desaturate by 10%, it is $42.2087, 0.3015, 0.3842$.

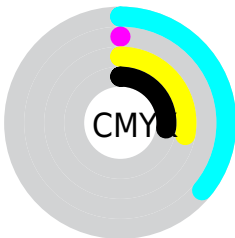
Distribution



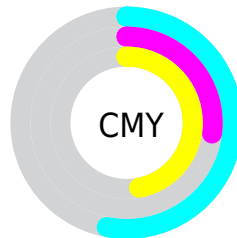
- Red (47%)
- Green (73%)
- Blue (53%)



- Red (47%)
- Yellow (68%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3411, 0.2974, 0.4100 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 40.3411, 0.2974, 0.4100 by changing the saturation by 10% instead.


 40.3411, 0.2974,
0.4100


 40.3411, 0.2974,
0.4100


347.5592, 0.3063,
0.3665


 27.8046, 0.2947,
0.4219


 75.6826, 0.3009,
0.3935

 18.1784, 0.2910,
0.4378


 99.2565, 0.3022,
0.3875

 11.0782, 0.2854,
0.4601


 127.2782, 0.3032,
0.3825

 6.1194, 0.2765,
0.4935

160.1322, 0.3040,
0.3783

 2.9178, 0.2601,
0.5483

198.2030, 0.3047,
0.3747

 1.0890, 0.1836,
0.8164

241.8747, 0.3053,

 0.0000, 0.0000,

0.3716

0.0000

291.5320, 0.3058,
0.3689

■ 40.3411, 0.2974,
0.4100

■ 40.3411, 0.2974,
0.4100

■ 38.7857, 0.2938,
0.4378

■ 42.2087, 0.3015,
0.3842

■ 37.5204, 0.2911,
0.4667

■ 44.3991, 0.3058,
0.3607

■ 36.5283, 0.2894,
0.4957


■ 46.9286, 0.3102,
0.3398

■ 35.7885, 0.2890,
0.5233


■ 49.8110, 0.3146,
0.3213


■ 35.2769, 0.2899,
0.5479


■ 53.0591, 0.3188,
0.3051


 34.9639, 0.2922,
0.5680

 56.6852, 0.3228,
0.2910

 34.8641, 0.2931,
0.5753

 60.7011, 0.3266,
0.2788

 62.7632, 0.3208,
0.2663

 63.1776, 0.3159,
0.2604

Harmonies

Analogous

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



40.3411, 0.3511, 0.4286



40.3411, 0.2974, 0.4100



40.3411, 0.2503, 0.3623

Triad

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



40.3411, 0.2974, 0.4100



40.3411, 0.2312, 0.2450



40.3411, 0.4134, 0.3372

Complementary

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



40.3411, 0.2974, 0.4100



26.4211, 0.3332, 0.2599

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.



40.3411, 0.3755, 0.2961



40.3411, 0.2974, 0.4100



40.3411, 0.2684, 0.2451

Square

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



40.3411, 0.2974, 0.4100



40.3411, 0.2148, 0.2657



40.3411, 0.3210, 0.2635



40.3411, 0.4207, 0.3796

Rectangle

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



40.3411, 0.2974, 0.4100



40.3411, 0.2285, 0.3250



40.3411, 0.3210, 0.2635



40.3411, 0.4037, 0.3230

Sweetspot

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



40.3428, 0.2974, 0.4100



81.4702, 0.3078, 0.3510



44.6555, 0.3523, 0.4206



17.4345, 0.3072, 0.3539



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.



40.3428, 0.2974, 0.4100



69.9679, 0.2945, 0.4322



41.3867, 0.2753, 0.3574



10.0926, 0.3086, 0.3472



23.7489, 0.2926, 0.5733



0.8468, 0.2785, 0.5227

Inverse Universe

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



26.4211, 0.3332, 0.2599



41.2350, 0.3392, 0.2446



25.3436, 0.3724, 0.3028



9.1270, 0.3171, 0.3115



8.3869, 0.3870, 0.1906



0.3043, 0.3668, 0.1794

Previews

White Background



This preview shows how the Yxy color 40.3411, 0.2974, 0.4100 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 40.3411, 0.2974, 0.4100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

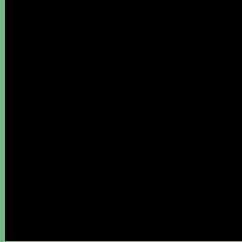
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3411, 0.2974, 0.4100

Background



This preview shows how black text looks on a background with the Yxy color 40.3411, 0.2974, 0.4100.



This preview shows how white text looks on a background with the Yxy color 40.3411, 0.2974, 0.4100.

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

40.3411, 0.2974, 0.4100

Protanopia

39.8533, 0.3623, 0.3870

Deuteranopia

39.9288, 0.3684, 0.3607



Tritanopia

40.4719, 0.2654, 0.3087

Trichromacy



Original Color

40.3411, 0.2974, 0.4100

Protanomaly

39.6426, 0.3356, 0.3953

Deuteranomaly

39.3670, 0.3401, 0.3778

Tritanomaly

40.5000, 0.2771, 0.3439

Monochromacy



Original Color

40.3411, 0.2974, 0.4100

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.1366, 0.3060, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3411, 0.2974, 0.4100 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(119, 185, 134)` looks like.

```
.text, #text, p{  
    color:rgb(119, 185, 134)  
}
```

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(119, 185, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 185, 134) }
```

Border

The CSS property to change the border of an element to Yxy 40.3411, 0.2974, 0.4100 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(119, 185, 134) }
```

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

```
.border{ border-color:rgb(119, 185, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 185, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 185, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 185, 134);  
box-shadow:4px 4px 4px 4px rgb(119, 185,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3411, 0.2974, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 185, 134) }
```

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

```
.background{ background-color: rgb(119,  
185, 134) }
```

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