

Converting Colors

$Yxy(40.9937, 0.2931, 0.4264)$

Have a look what the booklet for
Yxy(40.9937, 0.2931, 0.4264)
contains.

Yxy(41.1419, 0.2937, 0.4273)	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(41.1419, 0.2937, 0.4273)

Conversions

Conversions Part 1

Format	Color
Hex	6CBD80
RGB	108, 189, 128
RGB Percent	42%, 74%, 50%
CMY	0.5764, 0.2588, 0.4981
CMYK	0.43, 0.00, 0.32, 0.26
HSL	135°, 38%, 58%
HSV	135°, 43%, 74%
XYZ	28.2784, 41.1419, 26.8631
YIQ	157.8270, -28.6950, -36.1430

Conversions

Conversions Part 2

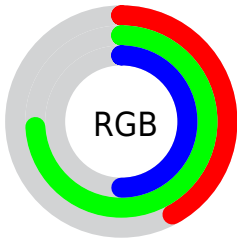
Format	Color
RYB	108, 173, 189
Decimal	7126400
CIELab	70.28, -38.08, 23.31
CIELCh	70, 44.653, 148.528
Yxy	41.1419, 0.2937, 0.4273
Android (android.graphics.Color)	4285316480 (0xFF6CBD80)
YUV	157.8270, -14.7047, -43.6983
Hunter-Lab	64.1420, -33.5526, 20.0683

Details

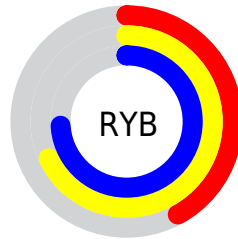
The Yxy color **41.1419, 0.2937, 0.4273** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.4149, 0.3405, 0.2480**, and the grayscale version is **34.1889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0343, 0.2983, 0.4075**, and **18.6349, 0.2853, 0.4619** is the 20% darker color. If you saturate the color by 10%, you get **39.7349, 0.2905, 0.4554**, and if you desaturate by 10%, it is **42.8618, 0.2976, 0.4007**.

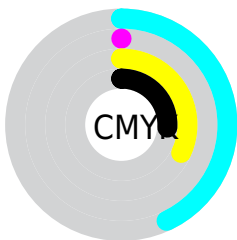
Distribution



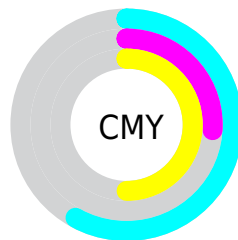
- Red (42%)
- Green (74%)
- Blue (50%)



- Red (42%)
- Yellow (68%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (32%)
- Black (26%)





- Cyan (58%)
- Magenta (26%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1419, 0.2937, 0.4273 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 41.1419, 0.2937, 0.4273 by changing the saturation by 10% instead.


 41.1419, 0.2937,
0.4273


 41.1419, 0.2937,
0.4273


350.9133, 0.3049,
0.3743

 28.4300, 0.2903,
0.4418


 76.8993, 0.2982,
0.4071


 18.6500, 0.2854,
0.4613


 100.7135, 0.2998,
0.3998

 11.4177, 0.2782,
0.4886


 128.9973, 0.3010,
0.3937

 6.3485, 0.2664,
0.5292

 162.1350, 0.3021,
0.3886

 3.0581, 0.2452,
0.5961

200.5111, 0.3030,
0.3843

 1.1622, 0.1153,
0.8847

244.5099, 0.3037,

 0.0305, 0.0000,

0.3805

1.0000

294.5158, 0.3044,
0.3772

■ 0.0000, 0.0000,
0.0000

■ 41.1419, 0.2937,
0.4273

■ 41.1419, 0.2937,
0.4273

■ 39.7349, 0.2905,
0.4554

■ 42.8618, 0.2976,
0.4007

■ 38.6169, 0.2884,
0.4839

■ 44.9069, 0.3020,
0.3761

■ 37.7683, 0.2876,
0.5117


■ 47.2948, 0.3067,
0.3539


■ 37.1652, 0.2882,
0.5371


■ 50.0405, 0.3114,
0.3342


■ 36.7789, 0.2903,
0.5588

■ 53.1582, 0.3160,
0.3168

 36.5982, 0.2921,
0.5716

 56.6610, 0.3205,
0.3016

 60.5616, 0.3247,
0.2884

 64.0624, 0.3254,
0.2763

 64.8764, 0.3157,
0.2644

Harmonies

Analogous

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



41.1419, 0.3569, 0.4483



41.1419, 0.2937, 0.4273



41.1419, 0.2389, 0.3688

Triad

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



41.1419, 0.2937, 0.4273



41.1419, 0.2173, 0.2307



41.1419, 0.4326, 0.3369

Complementary

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



41.1419, 0.2937, 0.4273



24.4149, 0.3405, 0.2480

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.



41.1419, 0.3871, 0.2899



41.1419, 0.2937, 0.4273



41.1419, 0.2600, 0.2314

Square

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



41.1419, 0.2937, 0.4273



41.1419, 0.1986, 0.2538



41.1419, 0.3217, 0.2526



41.1419, 0.4406, 0.3862

Rectangle

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



41.1419, 0.2937, 0.4273



41.1419, 0.2139, 0.3234



41.1419, 0.3217, 0.2526



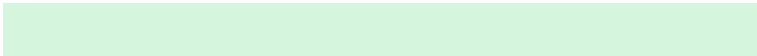
41.1419, 0.4211, 0.3206

Sweetspot

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



41.1436, 0.2937, 0.4273



84.5371, 0.3065, 0.3547



46.0375, 0.3584, 0.4399



17.9653, 0.3055, 0.3594



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.1436, 0.2937, 0.4273



71.3986, 0.2908, 0.4524



42.3909, 0.2682, 0.3621



10.6872, 0.3083, 0.3468



24.6340, 0.2916, 0.5696



0.9757, 0.2780, 0.5207

Inverse Universe

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



24.4149, 0.3405, 0.2480



37.6549, 0.3483, 0.2324



23.1499, 0.3924, 0.2993



9.6550, 0.3174, 0.3119



8.6146, 0.3940, 0.1944



0.3472, 0.3730, 0.1828

Previews

White Background



This preview shows how the Yxy color 41.1419, 0.2937, 0.4273 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 41.1419, 0.2937, 0.4273 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 41.1419, 0.2937, 0.4273

Background



This preview shows how black text looks on a background with the Yxy color 41.1419, 0.2937, 0.4273.

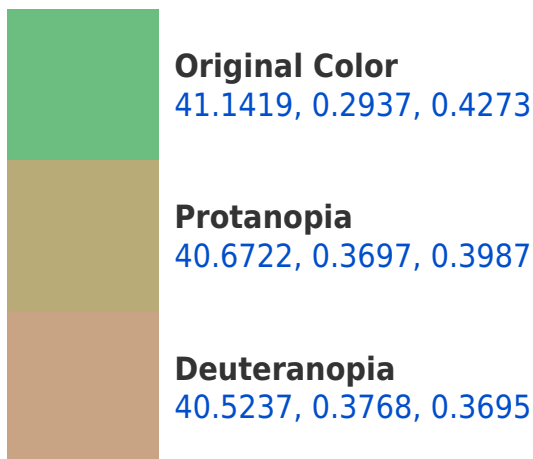


This preview shows how white text looks on a background with the Yxy color 41.1419, 0.2937, 0.4273.

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





Tritanopia

41.1988, 0.2587, 0.3086

Trichromacy



Original Color

41.1419, 0.2937, 0.4273



Protanomaly

40.3388, 0.3377, 0.4103



Deuteranomaly

39.7413, 0.3428, 0.3896



Tritanomaly

41.0728, 0.2713, 0.3486

Monochromacy



Original Color

41.1419, 0.2937, 0.4273



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.0580, 0.3048, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1419, 0.2937, 0.4273 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(108, 189, 128)` looks like.

```
.text, #text, p{  
    color:rgb(108, 189, 128)  
}
```

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(108, 189, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 189, 128) }
```

Border

The CSS property to change the border of an element to Yxy 41.1419, 0.2937, 0.4273 is called "border". The border property can be set on classes, ids or directly on the HTML element.

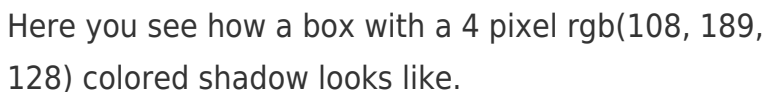
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 189, 128) }
```

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

```
.border{ border-color:rgb(108, 189, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 189, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 189, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 189, 128); box-shadow:4px 4px 4px 4px rgb(108, 189, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1419, 0.2937, 0.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 189, 128) }
```

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

```
.background{ background-color: rgb(108,  
189, 128) }
```

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