

Converting Colors

$Y_{xy}(40.2542, 0.2921, 0.4127)$

Have a look what the booklet for
Yxy(40.2542, 0.2921, 0.4127)
contains.

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Color

Yxy(40.2838, 0.2923, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	70BA86
RGB	112, 186, 134
RGB Percent	44%, 73%, 53%
CMY	0.5607, 0.2706, 0.4745
CMYK	0.40, 0.00, 0.28, 0.27
HSL	138°, 35%, 58%
HSV	138°, 40%, 73%
XYZ	28.5453, 40.2838, 28.8286
YIQ	157.9460, -27.4120, -31.8600

Conversions

Conversions Part 2

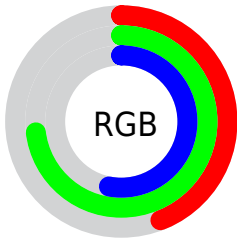
Format	Color
RYB	112, 169, 186
Decimal	7387782
CIELab	69.67, -34.43, 19.28
CIELCh	70, 39.466, 150.750
Yxy	40.2838, 0.2923, 0.4125
Android (android.graphics.Color)	4285577862 (0xFF70BA86)
YUV	157.9460, -11.8054, -40.2946
Hunter-Lab	63.4695, -30.7915, 17.4985

Details

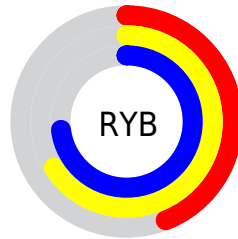
The Yxy color **40.2838, 0.2923, 0.4125** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.7101, 0.3425, 0.2584**, and the grayscale version is **34.2320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7960, 0.2968, 0.3964**, and **18.0724, 0.2843, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **38.8462, 0.2884, 0.4383**, and if you desaturate by 10%, it is **42.0219, 0.2969, 0.3883**.

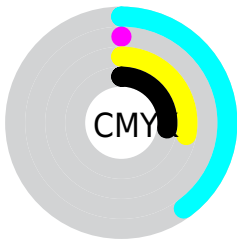
Distribution



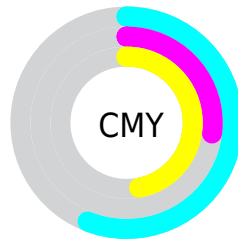
- Red (44%)
- Green (73%)
- Blue (53%)



- Red (44%)
- Yellow (66%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)





- Cyan (56%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2838, 0.2923, 0.4125 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 40.2838, 0.2923, 0.4125 by changing the saturation by 10% instead.

 40.2838, 0.2923,
0.4125


 40.2838, 0.2923,
0.4125


347.3183, 0.3039,
0.3676

 27.7599, 0.2889,
0.4248


 75.5955, 0.2969,
0.3954


 18.1447, 0.2842,
0.4413


 99.1520, 0.2985,
0.3892

 11.0540, 0.2774,
0.4645


 127.1549, 0.2998,
0.3841

 6.1031, 0.2666,
0.4993

 159.9886, 0.3009,
0.3797

 2.9079, 0.2473,
0.5567

198.0373, 0.3018,
0.3760

 1.0838, 0.1404,
0.8596

241.6856, 0.3026,

 0.0000, 0.0000,

0.3728

0.0000

291.3178, 0.3033,
0.3700

■ 40.2838, 0.2923,
0.4125

■ 40.2838, 0.2923,
0.4125

■ 38.8462, 0.2884,
0.4383

■ 42.0219, 0.2969,
0.3883

■ 37.6867, 0.2856,
0.4650

■ 44.0712, 0.3021,
0.3662

■ 36.7880, 0.2842,
0.4918


■ 46.4482, 0.3074,
0.3463


■ 36.1284, 0.2843,
0.5173

■ 49.1666, 0.3128,
0.3286

■ 35.6826, 0.2861,
0.5403

■ 52.2394, 0.3182,
0.3131

 35.4028, 0.2889,
0.5599

 55.6788, 0.3233,
0.2994

 35.3974, 0.2890,
0.5603

 59.4966, 0.3282,
0.2876

 62.5850, 0.3283,
0.2764

 63.3838, 0.3184,
0.2644

Harmonies

Analogous

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



40.2838, 0.3490, 0.4346



40.2838, 0.2923, 0.4125



40.2838, 0.2438, 0.3600

Triad

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



40.2838, 0.2923, 0.4125



40.2838, 0.2289, 0.2398



40.2838, 0.4211, 0.3404

Complementary

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



40.2838, 0.2923, 0.4125



24.7101, 0.3425, 0.2584

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.



40.2838, 0.3829, 0.2971



40.2838, 0.2923, 0.4125



40.2838, 0.2694, 0.2416

Square

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



40.2838, 0.2923, 0.4125



40.2838, 0.2101, 0.2597



40.2838, 0.3255, 0.2621



40.2838, 0.4261, 0.3849

Rectangle

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



40.2838, 0.2923, 0.4125



40.2838, 0.2220, 0.3204



40.2838, 0.3255, 0.2621



40.2838, 0.4116, 0.3254

Sweetspot

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



40.2855, 0.2923, 0.4125



83.0907, 0.3061, 0.3509



44.2920, 0.3520, 0.4330



18.1704, 0.3054, 0.3535



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.



40.2855, 0.2923, 0.4125



70.6437, 0.2888, 0.4357



41.4651, 0.2685, 0.3534



10.1029, 0.3077, 0.3455



23.8254, 0.2883, 0.5580



0.8512, 0.2730, 0.5028

Inverse Universe

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



24.7101, 0.3425, 0.2584



38.3736, 0.3517, 0.2431



23.5894, 0.3892, 0.3066



9.1160, 0.3182, 0.3131



8.1337, 0.4121, 0.2044



0.2971, 0.3835, 0.1886

Previews

White Background



This preview shows how the Yxy color 40.2838, 0.2923, 0.4125 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 40.2838, 0.2923, 0.4125 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 40.2838, 0.2923, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 40.2838, 0.2923, 0.4125.



This preview shows how white text looks on a background with the Yxy color 40.2838, 0.2923, 0.4125.

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

40.2838, 0.2923, 0.4125

Protanopia

39.7060, 0.3622, 0.3886

Deuteranopia

39.7942, 0.3674, 0.3608



Tritanopia

40.0510, 0.2607, 0.3070

Trichromacy



Original Color

40.2838, 0.2923, 0.4125

Protanomaly

39.3128, 0.3336, 0.3974

Deuteranomaly

38.9313, 0.3363, 0.3784

Tritanomaly

40.0194, 0.2715, 0.3426

Monochromacy



Original Color

40.2838, 0.2923, 0.4125

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.8379, 0.3041, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2838, 0.2923, 0.4125 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(112, 186, 134)` looks like.

```
.text, #text, p{  
    color:rgb(112, 186, 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(112, 186, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 186, 134) }
```

Border

The CSS property to change the border of an element to Yxy 40.2838, 0.2923, 0.4125 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(112, 186, 134) }
```

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

```
.border{ border-color:rgb(112, 186, 134) }
```

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

Here you see how a box with a 4 pixel rgb(112, 186, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 186, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 186, 134);  
box-shadow:4px 4px 4px 4px rgb(112, 186,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2838, 0.2923, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 186, 134) }
```

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

```
.background{ background-color: rgb(112,  
186, 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](#).

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