

Converting Colors

$Yxy(40.8221, 0.2910, 0.4166)$

Have a look what the booklet for
Yxy(40.8221, 0.2910, 0.4166)
contains.

Yxy(40.9111, 0.2910, 0.4174)	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(40.9111, 0.2910, 0.4174)

Conversions

Conversions Part 1

Format	Color
Hex	6DBC85
RGB	109, 188, 133
RGB Percent	43%, 74%, 52%
CMY	0.5726, 0.2627, 0.4785
CMYK	0.42, 0.00, 0.29, 0.26
HSL	138°, 37%, 58%
HSV	138°, 42%, 74%
XYZ	28.5221, 40.9111, 28.5809
YIQ	158.1090, -29.4290, -33.8530

Conversions

Conversions Part 2

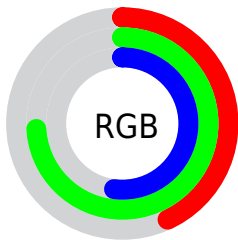
Format	Color
RYB	109, 170, 188
Decimal	7191685
CIELab	70.11, -36.43, 20.42
CIELCh	70, 41.762, 150.735
Yxy	40.9111, 0.2910, 0.4174
Android (android.graphics.Color)	4285381765 (0xFF6DBC85)
YUV	158.1090, -12.3787, -43.0686
Hunter-Lab	63.9618, -32.3356, 18.2799

Details

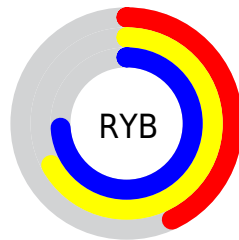
The Yxy color **40.9111, 0.2910, 0.4174** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.3077, 0.3453, 0.2551**, and the grayscale version is **34.3108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7425, 0.2962, 0.4000**, and **18.4870, 0.2825, 0.4478** is the 20% darker color. If you saturate the color by 10%, you get **39.5058, 0.2873, 0.4433**, and if you desaturate by 10%, it is **42.6198, 0.2956, 0.3930**.

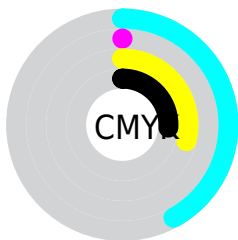
Distribution



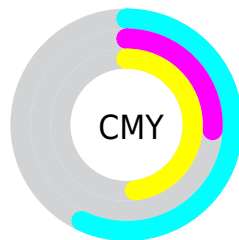
- Red (43%)
- Green (74%)
- Blue (52%)



- Red (43%)
- Yellow (67%)
- Blue (74%)



- Cyan (42%)
- Magenta (0%)
- Yellow (29%)
- Black (26%)





- Cyan (57%)
- Magenta (26%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9111, 0.2910, 0.4174 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 40.9111, 0.2910, 0.4174 by changing the saturation by 10% instead.


 40.9111, 0.2910,
0.4174

 40.9111, 0.2910,
0.4174


349.9489, 0.3033,
0.3699

 28.2496, 0.2874,
0.4304


 76.5489, 0.2959,
0.3993

 18.5139, 0.2824,
0.4479


 100.2941, 0.2976,
0.3927

 11.3196, 0.2751,
0.4723


 128.5025, 0.2990,
0.3873

 6.2822, 0.2635,
0.5090

 161.5588, 0.3001,
0.3827

 3.0174, 0.2430,
0.5689

199.8471, 0.3011,
0.3788

 1.1408, 0.1329,
0.8671

243.7520, 0.3019,

 0.0126, 0.0000,

0.3754

1.0000

293.6578, 0.3027,
0.3725

■ 0.0000, 0.0000,
0.0000

■ 40.9111, 0.2910,
0.4174

■ 40.9111, 0.2910,
0.4174

■ 39.5058, 0.2873,
0.4433

■ 42.6198, 0.2956,
0.3930

■ 38.3809, 0.2847,
0.4699

■ 44.6434, 0.3007,
0.3706

■ 37.5179, 0.2836,
0.4963

■ 46.9990, 0.3061,
0.3504


■ 36.8940, 0.2841,
0.5213


■ 49.7007, 0.3116,
0.3324


■ 36.4822, 0.2862,
0.5435


■ 52.7620, 0.3171,
0.3165

 36.2654, 0.2886,
0.5589

 56.1957, 0.3223,
0.3026

 60.0138, 0.3274,
0.2904

 63.3848, 0.3287,
0.2793

 64.1811, 0.3189,
0.2672

Harmonies

Analogous

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



40.9111, 0.3505, 0.4405



40.9111, 0.2910, 0.4174



40.9111, 0.2403, 0.3617

Triad

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



40.9111, 0.2910, 0.4174



40.9111, 0.2249, 0.2356



40.9111, 0.4268, 0.3405

Complementary

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



40.9111, 0.2910, 0.4174



24.3077, 0.3453, 0.2551

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.



40.9111, 0.3865, 0.2954



40.9111, 0.2910, 0.4174



40.9111, 0.2671, 0.2376

Square

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



40.9111, 0.2910, 0.4174



40.9111, 0.2054, 0.2561



40.9111, 0.3260, 0.2590



40.9111, 0.4319, 0.3870

Rectangle

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



40.9111, 0.2910, 0.4174



40.9111, 0.2176, 0.3196



40.9111, 0.3260, 0.2590



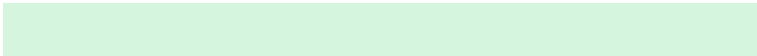
40.9111, 0.4169, 0.3249

Sweetspot

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



40.9128, 0.2910, 0.4174



84.6349, 0.3054, 0.3527



44.9974, 0.3528, 0.4396



17.9893, 0.3042, 0.3570



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.



40.9128, 0.2910, 0.4174



71.8742, 0.2877, 0.4401



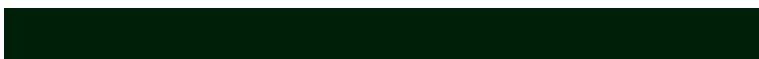
42.2058, 0.2656, 0.3530



10.6961, 0.3076, 0.3454



24.7015, 0.2880, 0.5567



0.9796, 0.2737, 0.5054

Inverse Universe

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



24.3077, 0.3453, 0.2551



37.9292, 0.3548, 0.2406



23.1027, 0.3975, 0.3072



9.6456, 0.3183, 0.3132



8.4066, 0.4147, 0.2058



0.3404, 0.3872, 0.1907

Previews

White Background



This preview shows how the Yxy color 40.9111, 0.2910, 0.4174 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 40.9111, 0.2910, 0.4174 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 40.9111, 0.2910, 0.4174

Background



This preview shows how black text looks on a background with the Yxy color 40.9111, 0.2910, 0.4174.



This preview shows how white text looks on a background with the Yxy color 40.9111, 0.2910, 0.4174.

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

40.9111, 0.2910, 0.4174

Protanopia

40.2974, 0.3647, 0.3909

Deuteranopia

40.3917, 0.3700, 0.3632



Tritanopia

40.7936, 0.2585, 0.3071

Trichromacy



Original Color

40.9111, 0.2910, 0.4174



Protanomaly

40.0707, 0.3340, 0.4015



Deuteranomaly

39.7717, 0.3376, 0.3824



Tritanomaly

40.6971, 0.2705, 0.3456

Monochromacy



Original Color

40.9111, 0.2910, 0.4174



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.1213, 0.3032, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9111, 0.2910, 0.4174 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(109, 188, 133)` looks like.

```
.text, #text, p{  
    color:rgb(109, 188, 133)  
}
```

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(109, 188, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 188, 133) }
```

Border

The CSS property to change the border of an element to Yxy 40.9111, 0.2910, 0.4174 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(109, 188, 133) }
```

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

```
.border{ border-color:rgb(109, 188, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 188, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 188, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 188, 133);  
box-shadow:4px 4px 4px 4px rgb(109, 188,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9111, 0.2910, 0.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 188, 133) }
```

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

```
.background{ background-color: rgb(109,  
188, 133) }
```

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