

Converting Colors

$Y_{xy}(47.1746, 0.4098, 0.5128)$

Have a look what the booklet for
Yxy(47.1746, 0.4098, 0.5128)
contains.

Yxy(47.0854, 0.4102, 0.5125)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.0854, 0.4102, 0.5125)

Conversions

Conversions Part 1

Format	Color
Hex	B5BF00
RGB	181, 191, 0
RGB Percent	71%, 75%, 0%
CMY	0.2902, 0.2510, 0.9999
CMYK	0.05, 0.00, 1.00, 0.25
HSL	63°, 100%, 37%
HSV	63°, 100%, 75%
XYZ	37.6867, 47.0854, 7.1019
YIQ	166.2360, 55.3510, -61.5210

Conversions

Conversions Part 2

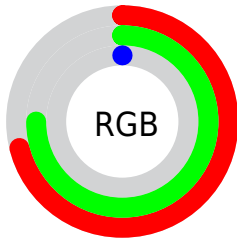
Format	Color
RYB	0, 191, 10
Decimal	11910912
CIELab	74.24, -21.66, 75.09
CIELCh	74, 78.148, 106.089
Yxy	47.0854, 0.4102, 0.5125
Android (android.graphics.Color)	4290100992 (0xFFB5BF00)
YUV	166.2360, -81.9543, 12.9480
Hunter-Lab	68.6188, -22.0475, 41.8968

Details

The Yxy color **47.0854, 0.4102, 0.5125** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **3.8268, 0.1515, 0.0609**, and the grayscale version is **38.6400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8164, 0.4002, 0.4836**, and **22.3879, 0.4008, 0.5200** is the 20% darker color. If you saturate the color by 10%, you get **47.0875, 0.4102, 0.5125**, and if you desaturate by 10%, it is **47.2564, 0.4089, 0.5079**.

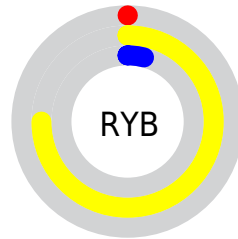
Distribution



Red (71%)

Green (75%)

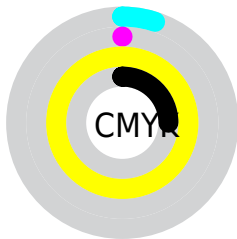
Blue (0%)



Red (0%)

Yellow (75%)

Blue (4%)

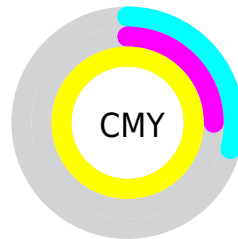


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (29%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0854, 0.4102, 0.5125 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 47.0854, 0.4102, 0.5125 by changing the saturation by 10% instead.


 47.0854, 0.4102,
0.5125


 47.0854, 0.4102,
0.5125


375.1553, 0.3719,
0.4259

 33.1032, 0.4149,
0.5299


 85.8411, 0.3997,
0.4837


 22.2055, 0.4179,
0.5493

 111.3833, 0.3947,
0.4720

 14.0080, 0.4212,
0.5754


 141.5477, 0.3900,
0.4617

 8.1262, 0.4093,
0.5907

 176.7186, 0.3857,
0.4527

 4.1758, 0.3892,
0.6108

 217.2804, 0.3818,
0.4448

 1.7724, 0.3553,
0.6447

 263.6175, 0.3782,

 0.4699, 0.0000,

0.4378

1.0000

316.1144, 0.3749,
0.4315

■ 0.0000, 0.0000,
0.0000

■ 47.0854, 0.4102,
0.5125

■ 47.0854, 0.4102,
0.5125

■ 47.0875, 0.4102,
0.5125

■ 47.2564, 0.4089,
0.5079

■ 47.4726, 0.4055,
0.4999

■ 47.7530, 0.3996,
0.4874

■ 48.1061, 0.3911,
0.4709

■ 48.5390, 0.3805,
0.4508

■ 49.0581, 0.3682,
0.4281

■ 49.6692, 0.3547,
0.4036

■ 50.3773, 0.3407,
0.3784

■ 51.1872, 0.3265,
0.3533

Harmonies

Analogous

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



47.0854, 0.4885, 0.4461



47.0854, 0.4102, 0.5125



47.0854, 0.3136, 0.5274

Triad

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



47.0854, 0.4102, 0.5125



47.0854, 0.1391, 0.2296



47.0854, 0.3904, 0.2407

Complementary

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



47.0854, 0.4102, 0.5125



3.8268, 0.1515, 0.0609

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.



47.0854, 0.2798, 0.1963



47.0854, 0.4102, 0.5125



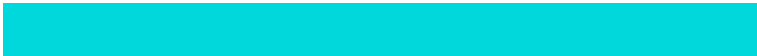
47.0854, 0.1516, 0.1851

Square

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



47.0854, 0.4102, 0.5125



47.0854, 0.1606, 0.3216



47.0854, 0.1973, 0.1765



47.0854, 0.4878, 0.3023

Rectangle

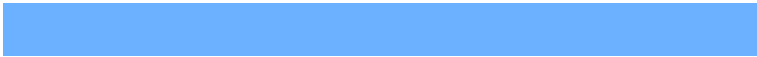
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.0854, 0.4102, 0.5125



47.0854, 0.2501, 0.4838



47.0854, 0.1973, 0.1765



47.0854, 0.3523, 0.2235

Sweetspot

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



47.0876, 0.4102, 0.5125



88.8956, 0.3554, 0.4048



11.2847, 0.6366, 0.3327



19.4143, 0.3612, 0.4154



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



47.0876, 0.4102, 0.5125



84.2943, 0.4100, 0.5126



39.2405, 0.3299, 0.5762



11.0944, 0.3256, 0.3517



30.9545, 0.4103, 0.5124



1.2204, 0.4126, 0.5106

Inverse Universe

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



3.8268, 0.1515, 0.0609



6.8223, 0.1511, 0.0606



6.7689, 0.2122, 0.0943



9.2486, 0.2992, 0.3053



2.5255, 0.1519, 0.0611



0.1072, 0.1594, 0.0652

Previews

White Background



This preview shows how the Yxy color 47.0854, 0.4102, 0.5125 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 47.0854, 0.4102, 0.5125 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 47.0854, 0.4102, 0.5125

Background



This preview shows how black text looks on a background with the Yxy color 47.0854, 0.4102, 0.5125.



This preview shows how white text looks on a background with the Yxy color 47.0854, 0.4102, 0.5125.

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

47.0854, 0.4102, 0.5125

Protanopia

46.9888, 0.4406, 0.4884

Deuteranopia

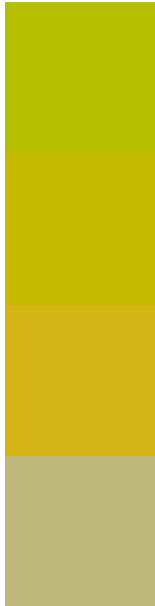
46.8091, 0.4668, 0.4569



Tritanopia

47.0717, 0.3161, 0.3127

Trichromacy



Original Color

47.0854, 0.4102, 0.5125

Protanomaly

46.9881, 0.4295, 0.4972

Deuteranomaly

46.6901, 0.4464, 0.4781

Tritanomaly

46.0909, 0.3678, 0.4092

Monochromacy



Original Color

47.0854, 0.4102, 0.5125

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.3585, 0.3668, 0.4263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0854, 0.4102, 0.5125 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(181, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 191, 0)  
}
```

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(181, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.0854, 0.4102, 0.5125 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(181, 191, 0) }
```

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

```
.border{ border-color:rgb(181, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0854, 0.4102, 0.5125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 191, 0) }
```

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

```
.background{ background-color: rgb(181,  
191, 0) }
```

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