

Converting Colors

$Y_{xy}(47.6601, 0.3376, 0.5102)$

Have a look what the booklet for
Yxy(47.6601, 0.3376, 0.5102)
contains.

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Color

Yxy(47.8870, 0.3377, 0.5105)

Conversions

Conversions Part 1

Format	Color
Hex	81CB4B
RGB	129, 203, 75
RGB Percent	51%, 80%, 29%
CMY	0.4942, 0.2039, 0.7057
CMYK	0.36, 0.00, 0.63, 0.20
HSL	95°, 55%, 55%
HSV	95°, 63%, 80%
XYZ	31.6776, 47.8870, 14.2395
YIQ	166.2820, -3.0160, -55.4960

Conversions

Conversions Part 2

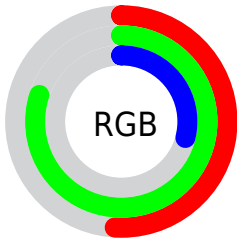
Format	Color
RYB	75, 203, 149
Decimal	8506187
CIELab	74.75, -44.52, 54.95
CIELCh	75, 70.722, 129.009
Yxy	47.8870, 0.3377, 0.5105
Android (android.graphics.Color)	4286696267 (0xFF81CB4B)
YUV	166.2820, -45.0020, -32.6963
Hunter-Lab	69.2004, -39.3894, 36.2401

Details

The Yxy color **47.8870, 0.3377, 0.5105** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **15.7498, 0.2580, 0.1581**, and the grayscale version is **38.5009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5441, 0.3383, 0.4713**, and **22.6280, 0.3344, 0.5640** is the 20% darker color. If you saturate the color by 10%, you get **46.7864, 0.3370, 0.5362**, and if you desaturate by 10%, it is **49.1862, 0.3365, 0.4815**.

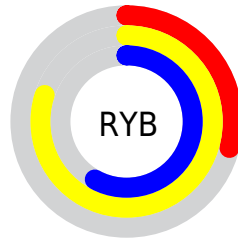
Distribution



Red (51%)

Green (80%)

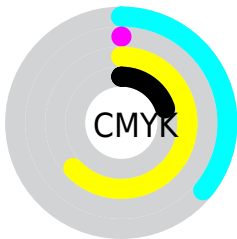
Blue (29%)



Red (29%)

Yellow (80%)

Blue (58%)

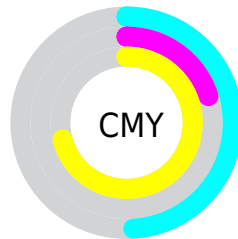


Cyan (36%)

Magenta (0%)

Yellow (63%)

Black (20%)



Cyan (49%)


Magenta (20%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8870, 0.3377, 0.5105 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 47.8870, 0.3377, 0.5105 by changing the saturation by 10% instead.


 47.8870, 0.3377,
0.5105


 47.8870, 0.3377,
0.5105

378.3440, 0.3312,
0.4158

 33.7374, 0.3368,
0.5342


 87.0361, 0.3371,
0.4757


 22.6919, 0.3340,
0.5641


 112.8045, 0.3363,
0.4627

 14.3662, 0.3273,
0.6022


 143.2145, 0.3355,
0.4518

 8.3758, 0.3156,
0.6571

 178.6506, 0.3346,
0.4424

 4.3363, 0.2834,
0.7166

 219.4973, 0.3337,
0.4344

 1.8634, 0.1999,
0.8001

266.1388, 0.3328,

 0.5263, 0.0000,

0.4274

1.0000

318.9596, 0.3320,
0.4212

■ 0.0000, 0.0000,
0.0000

■ 47.8870, 0.3377,
0.5105

■ 47.8870, 0.3377,
0.5105

■ 46.7864, 0.3370,
0.5362

■ 49.1862, 0.3365,
0.4815

■ 45.8659, 0.3344,
0.5570

■ 50.6887, 0.3337,
0.4508

■ 45.1131, 0.3299,
0.5718

■ 52.4067, 0.3298,
0.4200

■ 44.6722, 0.3262,
0.5792

■ 54.3496, 0.3250,
0.3902

■ 56.5259, 0.3198,
0.3621

■ 58.9439, 0.3144,
0.3363

■ 61.6113, 0.3089,
0.3129

■ 64.5356, 0.3037,
0.2919

■ 67.5445, 0.3004,
0.2758

Harmonies

Analogous

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



47.8870, 0.4240, 0.4862



47.8870, 0.3377, 0.5105



47.8870, 0.2496, 0.4573

Triad

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



47.8870, 0.3377, 0.5105



47.8870, 0.1584, 0.2037



47.8870, 0.4537, 0.2916

Complementary

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



47.8870, 0.3377, 0.5105



15.7498, 0.2580, 0.1581

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.



47.8870, 0.3591, 0.2367



47.8870, 0.3377, 0.5105



47.8870, 0.1940, 0.1877

Square

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



47.8870, 0.3377, 0.5105



47.8870, 0.1543, 0.2557



47.8870, 0.2627, 0.2000



47.8870, 0.5020, 0.3560

Rectangle

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



47.8870, 0.3377, 0.5105



47.8870, 0.2021, 0.3867



47.8870, 0.2627, 0.2000



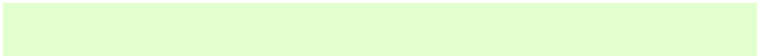
47.8870, 0.4253, 0.2718

Sweetspot

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



47.8891, 0.3377, 0.5105



92.3285, 0.3231, 0.3794



34.2488, 0.4440, 0.4175



19.5426, 0.3246, 0.3876



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



47.8891, 0.3377, 0.5105



77.6868, 0.3362, 0.5451



44.8470, 0.2995, 0.5197



12.7641, 0.3178, 0.3525



28.4780, 0.3271, 0.5785



1.5135, 0.3429, 0.5660

Inverse Universe

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



15.7498, 0.2580, 0.1581



19.5013, 0.2421, 0.1275



21.6538, 0.3294, 0.1931



11.1591, 0.3072, 0.3057



5.2256, 0.2192, 0.0981



0.3136, 0.2387, 0.1089

Previews

White Background



This preview shows how the Yxy color 47.8870, 0.3377, 0.5105 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 47.8870, 0.3377, 0.5105 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 47.8870, 0.3377, 0.5105

Background



This preview shows how black text looks on a background with the Yxy color 47.8870, 0.3377, 0.5105.



This preview shows how white text looks on a background with the Yxy color 47.8870, 0.3377, 0.5105.

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

47.8870, 0.3377, 0.5105

Protanopia

47.1340, 0.4186, 0.4598

Deuteranopia

47.0809, 0.4368, 0.4275



Tritanopia

47.6243, 0.2713, 0.3089

Trichromacy



Original Color

47.8870, 0.3377, 0.5105

Protanomaly

46.6290, 0.3873, 0.4793

Deuteranomaly

46.3684, 0.3980, 0.4577

Tritanomaly

47.2496, 0.2980, 0.3822

Monochromacy



Original Color

47.8870, 0.3377, 0.5105

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.7060, 0.3268, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8870, 0.3377, 0.5105 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(129, 203, 75)` looks like.

```
.text, #text, p{  
    color:rgb(129, 203, 75)  
}
```

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(129, 203, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 203, 75) }
```

Border

The CSS property to change the border of an element to Yxy 47.8870, 0.3377, 0.5105 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(129, 203, 75) }
```

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

```
.border{ border-color:rgb(129, 203, 75) }
```

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

Here you see how a box with a 4 pixel rgb(129, 203, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 203, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 203, 75);  
box-shadow:4px 4px 4px 4px rgb(129, 203,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8870, 0.3377, 0.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 203, 75) }
```

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

```
.background{ background-color: rgb(129,  
203, 75) }
```

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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