

Converting Colors

$Y_{xy}(46.3869, 0.3459, 0.5229)$

Have a look what the booklet for
Yxy(46.3869, 0.3459, 0.5229)
contains.

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Color

Yxy(46.3806, 0.3460, 0.5231)

Conversions

Conversions Part 1

Format	Color
Hex	82C83C
RGB	130, 200, 60
RGB Percent	51%, 78%, 24%
CMY	0.4901, 0.2157, 0.7648
CMYK	0.35, 0.00, 0.70, 0.22
HSL	90°, 56%, 51%
HSV	90°, 70%, 78%
XYZ	30.6780, 46.3806, 11.6062
YIQ	163.1100, 3.2200, -58.3800

Conversions

Conversions Part 2

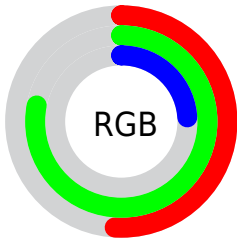
Format	Color
RYB	60, 200, 130
Decimal	8570940
CIELab	73.79, -44.06, 59.98
CIElCh	74, 74.425, 126.295
Yxy	46.3806, 0.3460, 0.5231
Android (android.graphics.Color)	4286761020 (0xFF82C83C)
YUV	163.1100, -50.8332, -29.0375
Hunter-Lab	68.1033, -38.7731, 37.5681

Details

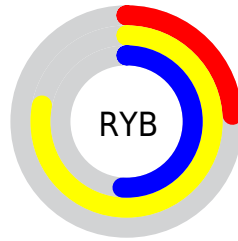
The Yxy color **46.3806, 0.3460, 0.5231** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **12.1411, 0.2380, 0.1360**, and the grayscale version is **36.9264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3226, 0.3454, 0.4849**, and **21.6673, 0.3384, 0.5695** is the 20% darker color. If you saturate the color by 10%, you get **45.4571, 0.3447, 0.5444**, and if you desaturate by 10%, it is **47.4648, 0.3451, 0.4976**.

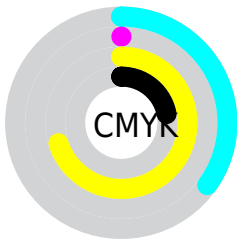
Distribution



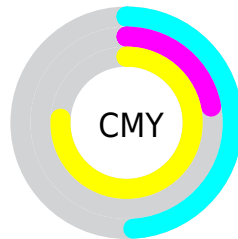
- Red (51%)
- Green (78%)
- Blue (24%)



- Red (24%)
- Yellow (78%)
- Blue (51%)



- Cyan (35%)
- Magenta (0%)
- Yellow (70%)
- Black (22%)



- Cyan (49%)
- Magenta (22%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3806, 0.3460, 0.5231 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 46.3806, 0.3460, 0.5231 by changing the saturation by 10% instead.


 46.3806, 0.3460,
0.5231


 46.3806, 0.3460,
0.5231

372.3367, 0.3367,
0.4222

 32.5463, 0.3451,
0.5478


 84.7883, 0.3448,
0.4864


 21.7791, 0.3420,
0.5786


 110.1305, 0.3437,
0.4725


 13.6947, 0.3341,
0.6168


 140.0774, 0.3424,
0.4608

 7.9086, 0.3230,
0.6770

 175.0134, 0.3412,
0.4508

 4.0365, 0.2806,
0.7194

 215.3230, 0.3400,
0.4422

 1.6940, 0.1815,
0.8185

261.3904, 0.3388,

 0.4198, 0.0000,

0.4346

1.0000

313.6002, 0.3377,
0.4280

■ 0.0000, 0.0000,
0.0000

■ 46.3806, 0.3460,
0.5231

■ 46.3806, 0.3460,
0.5231

■ 45.4571, 0.3447,
0.5444

■ 47.4648, 0.3451,
0.4976

■ 44.6765, 0.3413,
0.5603

■ 48.7138, 0.3422,
0.4692

■ 44.0212, 0.3363,
0.5712

■ 50.1388, 0.3378,
0.4395

■ 51.7480, 0.3323,
0.4098

■ 53.5491, 0.3260,
0.3810

■ 55.5494, 0.3194,
0.3540

■ 57.7555, 0.3127,
0.3290

■ 60.1739, 0.3061,
0.3063

■ 62.8107, 0.2998,
0.2858

Harmonies

Analogous

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



46.3806, 0.4356, 0.4886



46.3806, 0.3460, 0.5231



46.3806, 0.2528, 0.4754

Triad

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



46.3806, 0.3460, 0.5231



46.3806, 0.1494, 0.2000



46.3806, 0.4548, 0.2831

Complementary

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



46.3806, 0.3460, 0.5231



12.1411, 0.2380, 0.1360

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.



46.3806, 0.3517, 0.2275



46.3806, 0.3460, 0.5231



46.3806, 0.1831, 0.1810

Square

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



46.3806, 0.3460, 0.5231



46.3806, 0.1478, 0.2576



46.3806, 0.2515, 0.1915



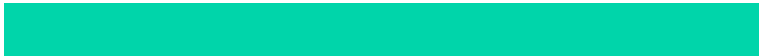
46.3806, 0.5115, 0.3493

Rectangle

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



46.3806, 0.3460, 0.5231



46.3806, 0.2013, 0.4013



46.3806, 0.2515, 0.1915



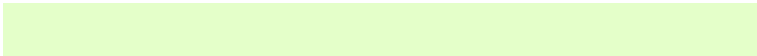
46.3806, 0.4232, 0.2630

Sweetspot

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



46.3826, 0.3460, 0.5231



92.2914, 0.3269, 0.3847



27.9536, 0.4735, 0.4097



19.5625, 0.3287, 0.3926



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.



46.3826, 0.3460, 0.5231



77.9706, 0.3432, 0.5533



42.6689, 0.3032, 0.5512



12.1441, 0.3190, 0.3524



28.0434, 0.3373, 0.5704



1.3709, 0.3533, 0.5576

Inverse Universe

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



12.1411, 0.2380, 0.1360



15.0733, 0.2185, 0.1062



19.3598, 0.3171, 0.1742



10.5434, 0.3060, 0.3057



4.4255, 0.2032, 0.0893



0.2526, 0.2262, 0.1020

Previews

White Background



This preview shows how the Yxy color 46.3806, 0.3460, 0.5231 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 46.3806, 0.3460, 0.5231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

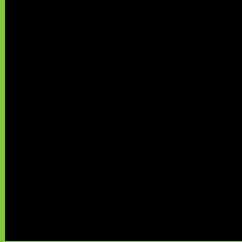
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3806, 0.3460, 0.5231

Background



This preview shows how black text looks on a background with the Yxy color 46.3806, 0.3460, 0.5231.



This preview shows how white text looks on a background with the Yxy color 46.3806, 0.3460, 0.5231.

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

46.3806, 0.3460, 0.5231

Protanopia

45.8801, 0.4254, 0.4695

Deuteranopia

45.9548, 0.4465, 0.4374



Tritanopia

46.2889, 0.2735, 0.3087

Trichromacy



Original Color

46.3806, 0.3460, 0.5231

Protanomaly

45.4920, 0.3945, 0.4900

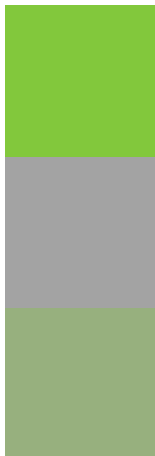
Deuteranomaly

44.7964, 0.4079, 0.4691

Tritanomaly

45.7409, 0.3044, 0.3902

Monochromacy



Original Color

46.3806, 0.3460, 0.5231

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

39.1363, 0.3312, 0.4043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3806, 0.3460, 0.5231 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(130, 200, 60)` looks like.

```
.text, #text, p{  
    color:rgb(130, 200, 60)  
}
```

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(130, 200, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 200, 60) }
```

Border

The CSS property to change the border of an element to Yxy 46.3806, 0.3460, 0.5231 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(130, 200, 60) }
```

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

```
.border{ border-color:rgb(130, 200, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 200, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 200, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 200, 60);  
box-shadow:4px 4px 4px 4px rgb(130, 200,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3806, 0.3460, 0.5231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 200, 60) }
```

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

```
.background{ background-color: rgb(130,  
200, 60) }
```

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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